

CORRECTED
3081

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United States Circuit Court of Appeals

For the Ninth Circuit.

MINERALS SEPARATION, LTD.,
Appellees,

vs.

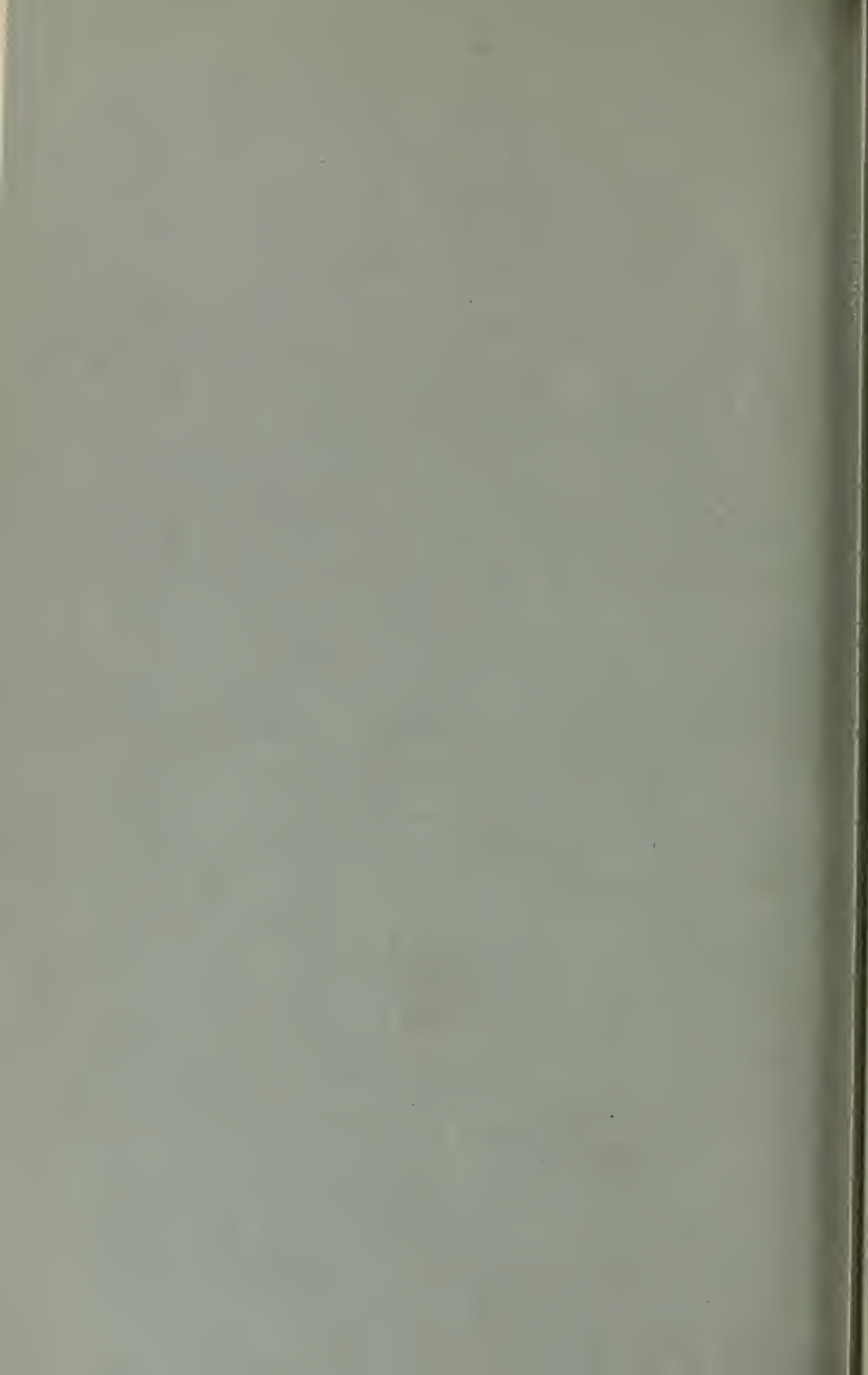
BUTTE & SUPERIOR MINING
COMPANY,
Appellant.

Transcript of Record

Volume 10--ERRATA

UPON APPEAL FROM THE UNITED STATES
DISTRICT COURT FOR THE DISTRICT
OF MONTANA

FILED
JUN 12 1919



ERRATA.

VOLUME I.

- P. III, L. 13, "statute" should read "statutes"
- P. V, L. 11, "matter" should read "master"
- P. XII, L. 11, after "company" insert "Limited"
- P. XIV, L. 16, "2" should read "3"
- P. XVII, LL. 3 & 4, "and judging" should read "adjudging"
- P. XXIII, L. 13, "F. E. Elmore" should read "A. S. Elmore"
- P. " L. 14, " " " " " " " " " "
- P. XXIV, L. 4, "Gabbet" should read "Gabbett"
- P. XXVIII, L. 10, after "here" insert "in"
- P. XXXI, L. 7, "27th" should read "28th"
- P. XXXIII, L. 14, "Comes now" should read "Now Comes"
- P. XXXIV, L. 6, after "Office" insert "an application for Letters Patent and that Letters Patent"
- P. " LL. 8 & 9, cancel "by the applicants for patent"
- P. " L. 11, "has" should read "had"
- P. XXXV, L. 14, "or" should read "and"
- P. " L. 12, cancel "an"
- P. XXXVI, L. 12, "forth" should read "up"
- P. XXXVII, L. 1, cancel "said"
- P. XXXVIII, L. 11, after "maintain" insert "an"
- P. XXXIX, L. 3, "and" should read "any"
- P. XL, LL. 4 & 5, "J. Bruce Kremer" place before "W. A. Scott"
- P. XLIV, L. 8, should read "768,035 Aug. 23, 1904 G. D. Delprat"
- P. " L. 9, should read "777,273 Dec. 13, 1904 A. E. Cattermole"
- P. " L. 15, "G. V. Potter" should read "C. V. Potter"
- P. LVIII, L. 20, "judgment" should read "injunction"
- P. LXI, L. 10, "1913" should read "1903"
- P. " L. 23, "paragraph" should read "paragraphs"
- P. " L. 27, "application" should read "applications"
- P. LXIII, L. 20, "707,506" should read "807,506"
- P. LXXI, L. 16, "1917" should read "1913"
- P. LXXX, L. 25, "assitsing" should read "assisting"
- P. LXXXIII, L. 6, "Chairman" should read "President"
- P. LXXXV, L. 29, "Isinger" should read "Insinger"
- P. LXXXVI, L. 11, after "benefit" insert "and"
- P. LXXXIX, L. 6, "expense" should read "expenses"
- P. XCI, L. 20, "De Bavey" should read "De Bavay"
- P. XCIII, L. 23, "12-12-11" should read "19-12-11"
- P. XCIV, L. 8, after "179,523" insert "21-5-13"
- P. XCVI, L. 13, "H. A. Krohm" should read "H. A. Krohn"
- P. C, L. 9, "to" should read "or"
- P. CIII, L. 16, "Owne's" should read "Owen's"
- P. CV, L. 5, "Air Bubbles" should read "Separator"
- P. CVI, Ll. 17 & 18, Cancel

- P. CVI, L. 21, "Owne's" should read "Owen's"
- P. CVIII, Ll. 1 & 2, Cancel
- P. " L. 11, "Owne's" should read "Owen's"
- P. CX, L. 19, "Deslodge" should read "Desloge"
- P. CXIII, Bet. Ll. 10 & 11, insert "Cost of appellants"
- P. CXXII, L. 30, "patents" should read "patent"
- P. CXXIV, L. 10, "Mineral" should read "Minerals"
- P. " L. 30, "invention" should read "inventions" and
"patentee" should read "patentees" and
before the period insert "or that either or
any of them was a new or original invention
of the patentee thereof."
- P. CXLIII, L. 27, after "which" insert "is"
- P. CL, L. 3, after "amended" insert "not"
- P. " L. 22, "Hayles" should read "Haynes"
- P. CLII, L. 6, after "Vol." insert "156"
- P. CLIII, L. 8, "H. Bradfond" should read "H. Brad-
ford"
- P. " L. 11, "E. A. Hieckley" should read "E. A.
Hockley"
- P. " L. 28, "776,659" should read "770,659"
- P. CLX, L. 27, after "Sulman" insert "and"
- P. CLXI, L. 25, "Unted" should read "United"
- P. " L. 31, "patnt" should read "patent"
- P. CLXII, L. 32, after "claimer" insert "and the said other
plaintiffs herein have been guilty of unreason-
able neglect and delay herein in filing the
said disclaimer"
- P. CLXIV, L. 12, omit comma (,) after "separation"
- P. " L. 25, "Thomas T. Sheridan" should read "Thomas
F. Sheridan"
- P. CLXIX, L. 28, "or" should read "of"
- P. CLXXI, L. 30, "concenterating" should read "concen-
trating"
- P. CLXXV, L. 11, cancel "to"
- P. CLXXVI, L. 7, "knows" should read "known"
- P. " L. 12, "excuted" should read "executed"
- P. " L. 13, after "December" insert "14"
- P. " L. 19, "48" should read "41"
- PP. CLXXXVII, CXC, substitute pages reprinted
- P. CCI, L. 6, "infringer" should read "infringed"
- P. CCH, L. 22, cancel "to"
- P. " L. 27, "uses" should read "use"
- P. CCVII, L. 10, "disclaimed" should read "disclaimer"
- P. " L. 21, "patricularly" should read "particularly"
- P. " L. 25, "disclaiming" should read "dismissing"
- P. CCX, L. 31, "defendants" should read "defendant"
- P. CCXIV, L. 14, before "Day" insert "17th"
- P. CCXV, L. 17, after "Court" insert "of"
- P. CCXXV, L. 4, "trasncript" should read "Transcript"

ERRATA.

VOLUME II.

- P. 20, L. 23, "fuly" should read "fully "
- P. 26, L. 8, after " and " insert " as "
- P. 40, L. 27, "opeend" should read " opened "
- P. 45, L. 9, " Side " should read " Slide "
- P. 60, L. 29, " demended " should read " demanded "
- P. 64, L. 22, should read " vacuum chamber should be observed through glass win- "
- P. 64, L. 23, should read " dows provided for the purpose and was confined to an "
- P. 70, L. 20, " precedure " should read " procedure "
- P. 72, L. 28, " notice " should read " noticed "
- P. 78, L. 23, " fould " should read " would "
- P. 80, L. 11, after " say " insert " just "
- P. 80, L. 28, " nessitate " should read " necessitate "
- P. 82, LL. 10 & 11, " con-dition " should read " relation "
- P. 83, L. 26, " test " should read " tests "
- P. 86, L. 14, after " such " insert " an "
- P. 88, L. 8, " unforseen " should read " unforeseen "
- P. 96, L. 6, " diameterical " should read " diametrical "
- P. 97, L. 27, " that ' , should read " this "
- P. 101, L. 27, " instancee " should read " instances "
- P. 102, L. 27, " ore " should read " ores "
- P. 106, L. 8, " therto " should read " thereto "
- P. 108, L. 6, " here " should read " there "
- P. 110, L. 28, after " present " insert " in "
- P. 110, L. 29, " in sufficient " should read " insufficient "
- P. 118, L. 28, " 267 x-Q." should read " 257 x-Q."
- P. 122, L. 12, " flota-" should read " flota-"
- P. 124, L. 29, " of " should read " or "
- P. 128, L. 27, after " did he " insert " not "
- P. 129, L. 21, before " stat-" insert " have "
- P. 131, L. 9, " referencess " should read " references "
- P. 138, L. 23, " bing " should read " being "
- P. 138, L. 24, after " matter " insert " remaining below from the non-metalliferous matter "
- P. 142, L. 20, omit colon (;) after " ore "
- P. 143, L. 19, comma (,) before parenthesis place *after*)
- P. 143, L. 21, after " forms " insert " into "
- P. 147, L. 7, " mtealliferous " should read " metalliferous "
- P. 156, L. 8, " aleic " should read " oleic "
- P. 162, L. 11, " oelic " should read " oleic "
- P. 170, L. 7, " 19 Q " should read " 19 XQ "
- P. 173, L. 25, " ferrufinous " should read " ferruginous "
- P. 178, L. 29, after " patent " insert " in "
- P. 184, L. 28, " entirely " should read " entirety "
- P. 185, L. 10, " simply " should read " simple "

- P. 187, L. 20, after " with " insert " in "
- P. 189, L. 23, before " make " insert " may "
- P. 195, Ll. 26-28, cancel from " I have " to " spitzkasten "
- P. 197, L. 27, after " ores " insert " are alike in their composition and consequently no two ores "
- P. 200, L. 13, " patentes " should read " patentee "
- P. 215, L. 25, " thes " should read " these "
- P. 218, L. 12, " granulatoin " should read " granulation "
- P. 218, L. 28, after " is " insert " all that is "
- P. 220, L. 13, " wthin " should read " within "
- P. 220, L. 14, cancel " or hinted at " and before the question mark insert " As a matter of fact, would you know, under these circumstances, whether the amount of oil supplied came within proportions referred to or hinted at in the patent in suit ? "
- P. 220, L. 17, " contnuous " should read " continuous " and " beileved " should read " believed "
- P. 221, L. 22, " sixteen " should read " sixteen "
- P. 223, L. 20, " introduc " should read " introduced "
- P. 226, L. 22, " matter " should read " material "
- P. 232, L. 19, " Holhorn " should read " Holborn "
- P. 236, L. 3, after " form of " insert " flocks of "
- P. 236, L. 13, after " were " insert " lifted bodily by the gas to the surface of the liquor, and secondly the portion of the concentrates that were "
- P. 244, L. 29, cancel " Below the sec. "
- P. 244, L. 30, cancel " ond series was another upcast separator "
- P. 246, L. 22, " arangement " should read " arrangement "
- P. 247, L. 5, " charcteristics " should read " characteristics "
- P. 249, L. 19, after " pulp " insert " downwardly and two were fixed so as to beat the agitated pulp "
- P. 250, L. 10, " seperation " should read " separation "
- P. 251, L. 22, cancel " found "
- P. 254, L. 23, after " him " insert " by "
- P. 256, L. 9, " THerfore " should read " therefore "
- P. 269, L. 22, " Leachman " should read " Leechman "
- P. 271, L. 11, " 68Q " should read " 69Q "
- P. 277, L. 4, after " worthless " insert " magnetic "
- P. 277, L. 26, " tartes " should read " trators "
- P. 280, L. 3, " Amylocetate " should read " Amylacetate "
- P. 283, L. 9, " feed oil " should read " oil feed "
- P. 284, L. 14, after " pounds " insert " per ton, the oil consumption was three pounds "
- P. 284, L. 18, after " copper " insert " the original ore content being roughly 3 per cent of copper "
- P. 287, L. 16, " treated " should read " tested "
- P. 288, L. 27, " parafine " should read " paraffine "
- P. 290, L. 23, " sufficient " should read " insufficient "
- P. 293, L. 6, after " addition " insert " of acid "
- P. 295, L. 15, after " was to " insert " oil "
- P. 302, L. 4, " refered " should read " referred "

- P. 307, L. 3, " A " should read " 195 "
- P. 311, L. 2, " aid " should read " air "
- P. 314, L. 15, " calcite " should read " calcitic "
- P. 314, L. 17, " vulty " should read " culty "
- P. 315, L. 5, " refernce " should read " reference "
- P. 317, L. 6, " cite " should read " citic "
- P. 317, L. 12, " calcite " should read " calcitic "
- P. 317, L. 19, cancel " and " before " you "
- P. 330, L. 10, cancel " not "
- P. 337, L. 18, " gas " should read " was "
- P. 329, L. 23, " cincentrates-vat " should read " concentrates-vat "
- P. 329, L. 25, before " consulting " insert " the "
- P. 332, L. 20, " Pickard " should read " Picard "
- P. 333, L. 19, " aranged " should read " arranged "
- P. 334, L. 23, " is " should read " if "
- P. 335, L. 10, " Effetced " should read " effected "
- P. 342, L. 19, " xtended " should read " extended "
- P. 357, L. 2, " constatnly " should read " constantly "
- P. 367, L. 2, cancel " had "
- P. 371, L. 19, " 1907 " should read " 1905 "
- P. 382, L. 10, " any " should read " an "
- P. 386, L. 27 & 29, " Schwartz " should read " Schwarz "
- P. 387, L. 5, " mode " should read " made "
- P. 388, L. 6, change " process " to " processes "
- P. 389, L. 15, " 52560 " should read " 5260 "
- P. 392, L. 1, after " milling " insert " an "
- P. 400, L. 17, " sepартely " should read " separately "
- P. 400, L. 20, " concentraion " should read " concentration "
- P. 409, L. 6, after " about " insert " to "
- P. 409, L. 25, " Mesrs. " should read " Messrs. "
- P. 410, L. 11, " Leehman " should read " Leechman "
- P. 410, L. 17, " thes " should read " these "
- P. 413, L. 22, after " which " insert " was "
- P. 419, L. 7, after " purpose of " insert " the "
- P. 421, L. 8, " liimts " should read " limits "
- P. 421, L. 27, " acod " should read " acid "
- P. 422, L. 30, " powderd " should read " powdered "
- P. 423, L. 30, " 1912 " should read " 1902 "
- P. 427, L. 4, " only " should read " oily "
- P. 427, L. 7, " sing " should read " sink "
- P. 441, L. 13, cancel second " would "
- P. 444, L. 9, " seventeenth " should read " seven tenths "
- P. 445, L. 14, " opinon " should read " opinion "
- P. 451, L. 18, after " connection " insert " it is important that
that operation is entirely distinct "
- P. 461, L. 20, " Forment's " should read " Froment's "
- P. 444, L. 26, after " if " insert " in "
- P. 464, L. 10, " application " should read " applicatious "
- P. 464, L. 13, " indriectly " should read " indirectly "
- P. 466, L. 7, " Devision " should read " Decision "
- P. 467, L. 12, " concentartes " should read " concentrates "

- P. 468, L. 6, "nothwithstanding" should read "notwithstand-
ing"
- P. 472, L. 19, "Swanea" should read "Swansea"
- P. 477, L. 6, "83 x-Q." should read "33 x-Q."
- P. 480, L. 9, "section" should read "sectional"
- P. 484, L. 10, "of" should read "on" after "manager"
- P. 485, L. 14, "advertisong" should read "advertising"
- P. 504, L. 13, "bythe" should read "by the"
- P. 507, L. 7, after "plants" insert "first"
- P. 510, L. 16, "sectiin" should read "section"
- P. 510, L. 28, "sectiin" should read "section"
- P. 515, L. 2, "ths" should read "the"
- P. 524, L. 29, "January" should read "January"
- P. 532, L. 3, "cncen-" should read "concen-"
- P. 532, L. 4, "tratin" should read "tration"
- P. 533, L. 19, "metalurgical" should read "metallurgical"
- P. 536, L. 7, "process" should read "processes"
- P. 537, L. 6, "explans" should read "explains"
- P. 563, L. 17, "earthly" should read "earthy"
- P. 564, L. 19, "of" should read "or"
- P. 565, L. 16, "Elmre" should read "Elmore"
- P. 571, L. 9, "breathing" should read "beating"
- P. 575, L. 14, "diagramatic" should read "diagrammatic"
- P. 579, L. 20, "derivities" should read "derivatives"
- P. 591, L. 26, "patantees" should read "patentees"
- P. 592, L. 8, "adournment" should read "adjournment"
- P. 593, L. 26, "783" should read "793"
- P. 601, L. 7, "loking" should read "looking"
- P. 602, L. 19, "with the" should read "and"
- P. 603, L. 5, "speration" should read "separation"
- P. 605, L. 14, "thorough" should read "thorough"
- P. 605, L. 25, "Schwartz" should read "Schwarz"
- P. 613, L. 2, "cer-" should read "ver-"
- P. 614, L. 25, after "rising" insert "air"
- P. 619, L. 10, "defndant's" should read "defendant's"
- P. 327, L. 13, "oil-mostened" should read "oil-moistened"
- P. 632, L. 7, "finishing" should read "finishing"
- P. 633, L. 23, after "of" insert "a"
- P. 643, L. 23, after "or" insert "a"
- P. 651, L. 7, "generaiting" should read "generating"
- P. 651, L. 15, after "and" insert "of"

ERRATA.

VOLUME III.

- P. 660, L. 9, ".33cc." should read ".3cc."
- P. 667, L. 13, "page" should read "pages"
- P. 670, Ll. 3 & 4, transpose these lines; and "cncentrates" should read "concentrates"
- P. 670, L. 5, "visable" should read "visible"
- P. 680, L. 11, after "of" insert "air distributed throughout it, and attaching them-"
- P. 680, L. 19, before "agitator" insert "an"
- P. 681, L. 16, "disclsoures" should read "disclosures"
- P. 681, L. 24, "make" should read "made"
- P. 682, L. 10, insert "to" after "in"
- P. 682, L. 13, "25%" should read ".25%"
- P. 685, L. 23, cancel "fact"
- P. 693, L. 18, "oi carbonic" should read "of carbonic"
- P. 693, L. 29, "uesd" should read "used"
- P. 695, L. 9, "analysis" should read "analyses"
- P. 695, L. 23, insert period (.) after "water"
- P. 700, L. 11, insert "the" before "tailings"
- P. 704, L. 20, insert "the agitation" before "a froth"
- P. 708, L. 10, insert "the" before "use"
- P. 715, L. 6, "1913" should read "1903"
- P. 718, L. 2, "in" should read "to"
- P. 721, L. 13, "tmerely" should read "tremely"
- P. 721, L. 27, "performed" should read "perforated"
- P. 722, L. 3, "views" should read "view"
- P. 725, L. 6, "231/2" should read "23%"
- P. 726, L. 18, "process" should read "processes"
- P. 728, L. 4, "Sec.," should read "Spec."
- P. 728, L. 8, "process" should read "processes"
- P. 728, L. 23, "Schwartz" should read "Schwarz"
- P. 729, L. 2, insert "more" before "agitators"
- P. 730, L. 2, "atmosphere" should read "atmospheric"
- P. 730, L. 4, insert "test" before "tube"
- P. 732, L. 5, "from" should read "form"
- P. 733, L. 24, "describe" should read "described"
- P. 734, L. 26, "788.147" should read "788.247"
- P. 736, L. 13, "assisted by gas" cancel. Insert (.) after "flotation"
- P. 736, L. 15, "Schwartz" should read "Schwarz"
- P. 737, L. 30, insert "the" before "severe"
- P. 740, L. 3, "by" should read "my"
- P. 740, L. 11, "bixture" should read "mixture"
- P. 741, L. 16, "12,788 of 1902" should read "12,778 of 1912"
- P. 742, L. 12, "with the" should read "with a"
- P. 742, L. 13, "260lbs." should read "360lbs."
- P. 743, L. 9, "Schwartz" should read "Schwarz"

- P. 748, L. 13, "pastry" should read "pasty"
- P. 750, L. 15, "radical" should read "radial"
- P. 752, L. 9, "753,260" should read "763,260"
- P. 759, L. 3, "171" should read "181"
- P. 760, L. 18, "consist" should read "consists"
- P. 761, L. 11, "yound" should read "pound"
- P. 761, L. 26, "say" should read "says"
- P. 768, L. 11, insert "is" before "not"
- P. 768, L. 15, "62-Q," should read "62 x-Q."
- P. 771, L. 12, "temerature" should read "température"
- P. 785, L. 18, insert "of" after "whole"
- P. 795, L. 5, "reptition" should read "repetition"
- P. 796, L. 21, cancel "the"
- P. 798, L. 24, cancel "be"
- P. 802, L. 14, "aggom-" should read "agglom-"
- P. 803, L. 28, "aggom-" should read "agglom-"
- P. 811, L. 18, "powes" should read "power"
- P. 818, L. 26, "taste" should read "state"
- P. 821, L. 11, insert "the" before "freez-"
- P. 829, L. 18, insert "layer" before "is"
- P. 833, L. 28, insert "is made to rebut them, that attempt" before "should"
- P. 838, L. 27, "result" should read "results"
- P. 841, L. 12, "0.201" should read "0.0201"
- P. 841, L. 18, "of pinoline" should read "or pinoline"
- P. 845, L. 17, "Type" should read "types"
- P. 847, L. 22, "vitrol" should read "vitriol"
- P. 849, L. 10, insert "second process described in Everson's patent for the" before "ore"
- P. 849, L. 30, insert "that" before "the result"
- P. 851, L. 10, "viscious" should read "viscous"
- P. 853, L. 28, "Adolph" should read "Adolf"
- P. 855, L. 27, "separted" should read "separated"
- P. 858, L. 12, "Pickard" should read "Picard"
- P. 859, L. 29, insert "which" before "by"
- P. 862, L. 14, insert "the" before "oil-floated"
- P. 863, L. 17, insert "au" after "by"
- P. 865, L. 27, "affecting" should read "effecting"
- P. 866, after L. 15, insert: The process is a modification of the Elmore oil flotation process, and does not in any manner resemble the process of the patent in suit. Aeration must be avoided in the mixing and separating. After the separation of the values from the gangue has been completed, the worthless residues are submitted to a treatment to recover the oil from them, this treatment consisting in blowing air through them to separate and float the oil.
- P. 869, L. 20, "25" should read "29"
- P. 873, L. 6, "under" should read "upward"
- P. 876, L. 2, insert "as" before "he"

- P. 876, L. 12, "Schwartz" should read "Schwarz"
- P. 877, L. 13, insert "air" before "bubbles"
- P. 879, L. 19, "triffle" should read "trifle"
- P. 881, L. 8, graphite" should read "graphitic"
- P. 881, L. 10, insert "is" before "clearly"
- P. 887, L. 4, insert "oil" before "process"
- P. 887, L. 18, insert "oil" before "11.7"
- P. 890, L. 16, "specification" should read "specifications"
- P. 901, L. 3, "utilized" should read "utilizable"
- P. 902, L. 19, "79,808" should read "793,808"
- P. 904, L. 15, "British" should read "Bubbles"
- P. 907, L. 28, "Hayes" should read "Haynes"
- P. 907, L. 30, "effort" should read "efforts"
- P. 912, L. 17, "grand" should read "grind"
- P. 919, L. 5, insert "and" before "particularly"
- P. 924, L. 15, "sulphides" should read "sulphide"
- P. 926, L. 29, "on" should read "of"
- P. 929, L. 5, insert "second" before "test"
- P. 935, L. 9, "8%" should read "18%"
- P. 937, L. 3, "Revov." should read "Recov."
- P. 937, L. 31, "or" should read "to"
- P. 955, L. 26, "to" should read "do"
- P. 958, L. 19, "process" should read "processes"
- P. 960, L. 10, insert "the" before "said"
- P. 960, L. 18, insert "13" before "hereof"
- P. 962, L. 25, "receipts" should read "recepts"
- P. 966, L. 3, "terms" should read "term"
- P. 966, L. 26, "offices" should read "officers"
- P. 966, L. 27, "effectively" should read "effectually"
- P. 970, L. 28, cancel "pur" and insert "clause or thereafter prior to completion of the pur-" after "this"
- P. 971, L. 20, "(d)" should read "(g)"
- P. 972, L. 13, insert "or" before "on"
- P. 974, L. 10, cancel "the"
- P. 975, L. 10, "effect" should read "affect"
- P. 978, L. 12, "Pickard" should read "Picard"
- P. 979, L. 50, "FRANCES" should read "FRANCIS"
- P. 980, L. 23, insert "of" after "day"
- P. 981, L. 6, "konwn" should read "known"
- P. 981, L. 13, "of-" should read "af-" and insert "he knew the seal of the said corporation; that" before "The"
- P. 984, L. 18, "1917" should read "1907"
- P. 986, L. 21, "crusher" should read "crushing"
- P. 987, L. 20, insert "the" before "attention"
- P. 992, L. 29, "extra" should read "extrac-"
- P. 992, L. 38, "Feau-" should read "Lean-"
- P. 998, L. 3, "connecting" should read "containing"
- P. 1000, L. 8, insert "1% of carbonate of lime, maximum" before "2%"
- P. 1000, L. 30, insert "etc" after "of oil"
- P. 1001, L. 12, insert "ore" after "rich"

- P. 1007, L. 26, "bottom" should read "bottoms"
- P. 1012, L. 7, "Experiment" should read "Experimental"
- P. 1015, L. 4, "Licenses" should read "License"
- P. 1016, L. 8, "1.154,353" should read "1,154,353"
- P. 1019, L. 24, "Stdlength" should read "strength"
- P. 1026, L. 15, "clean" should read "clean"
- P. 1029, L. 15, "maitained" should read "maintained"
- P. 1032, L. 10, "line" should read "lines"
- P. 1032, L. 22, "Cold" should read "Gold"
- P. 1033, L. 23, "filled" should read "fitted" and "agitation" should read "agitator"
- P. 1034, L. 11, "fihst" should read "first"
- P. " L. 19, "doen" should read "done"
- P. " L. 21, "an dafter" should read "and after"
- P. " L. 25, "aigtators" should read "agitators"
- P. 1036, L. 6, "parcesl" should read "parcels"
- P. 1036, L. 18, "mash" should read "mesh"
- P. 1038, L. 15, "Insoluble 1" should read "Insoluble"
- P. 1040, L. 9, insert "own" before "investj."
- P. 1041, L. 18, "is" should read "in"
- P. 1042, L. 20, "graduation" should read "gradation"
- P. 1043, L. 23, "impossible" should read "possible"
- P. 1048, L. 6, "removed" should read "renewed"
- P. 1049, L. 26, "gallons" should read "gallon"
- P. 1051, L. 19, insert "3" before "dwt"
- P. 1053, L. 24, "recocerable" should read "recoverable"
- P. 1056, L. 22, "Cœnaentartes" should read "Concentrates"
- P. 1058, L. 7, "per-" should read "pre"
- P. 1060, L. 3, "Courtmay" should read "Courtney"
- P. 1063, L. 25, "The" should read "fine"
- P. 1065, L. 10, "The" should read "This"
- P. 1065, L. 11, "tection" should read "tective"
- P. 1068, L. 10, "1914" should read "1904"
- P. 1075, L. 27, "is" should read "it" after "(pamphlet)"
- P. 1077, L. 22, "Dears" should read "Dear"
- P. 1077, L. 24, insert "up" after "work"
- P. 1078, L. 7, insert "following on suggestions from Mr. Cattermole" after "used"
- P. 1079, L. 11, "separation" should read "separations"
- P. 1081, L. 24, "Kilbourn's" should read "Kilburn's"
- P. 1088, L. 12, "(2)" should read "(b)"
- P. 1092, L. 13, "tiontion" should read "tion"
- P. 1092, L. 16, insert "the" before "delinquent"
- P. 1093, L. 4, "contaminate" should read "contaminates"
- P. 1093, L. 12, insert "plant" before "with"
- P. 1095, L. 10, insert "the" before "pulp"
- P. 1109, L. 27, "Not" should read "No"
- P. 1115, L. 32, insert "a" before "considerably"
- P. 1116, L. 13, "maxer" should read "mixer"
- P. 1116, L. 30, insert "froth" before "rises"
- P. 1118, L. 16, "spit-" should read "spitz-"

- P. 1119, L. 23, "clearly" should read "cleanly"
- P. 1124, L. 30, cancel "plan, but" and insert before "plan",
"top plan, but each was brought to a cone
shaped bottom the depth of"
- P. 1125, L. 5, "siutably" should read "suitable"
- P. 1125, L. 16, "outset" should read "outside"
- P. 1125, L. 22, "plaec" should read "place"
- P. 1125, L. 30, "Cleanliness" should read "cleanness"
- P. 1132, L. 24, "analogus" should read "analogous"
- P. 1145, L. 15, "Developments" should read "Development"
- P. 1151, L. 11, "likely" should read "unlikely"
- P. 1151, L. 28, "materials" should read "minerals"
- P. 1152, L. 11, cancel "not"
- P. 1152, L. 21, insert "a" before "richer and richer"
- P. 1153, L. 11, "formnig" should read "forming"
- P. 1158, L. 11, insert "and the partial products were then tabled or
vanned" after "flotation"
- P. 1160, L. 14, insert "results. To the extent that we do better
their" before "results"
- P. 1164, L. 24, "separators" should read "separations"
- P. 1165, L. 4, "elminate" should read "eliminate"
- P. 1167, L. 12, "incerase" should read "increase"
- P. 1168, L. 22, "enabel" should read "enable"
- P. 1180, L. 8, insert "on the market for regulating and controlling
the feed" after "devices"
- P. 1183, L. 19, "S. S." should read "S. C."
- P. 1184, L. 31, insert "valuable mineral; in another a lower ex-
traction of the" before "mineral"
- P. 1186, L. 26, insert "near" before "Ottowa"
- P. 1189, L. 4, "34th" should read "23rd"
- P. 1191, L. 25, insert "your" before "London"
- P. 1192, L. 19, "or" should read "of"
- P. 1193, L. 26, insert "copper situation, the British Columbia" be-
fore "lead"
- P. 1194, L. 9, "those" should read "these"
- P. 1195, L. 32, "Herminia" should read "Hermina"
- P. 1197, L. 9, "calcopryite" should read "chalcopyrite"
- P. 1197, L. 22, insert "an" before "80%"
- P. 1199, L. 7, "available" should read "valuable"
- P. 1206, L. 4, insert "17th January, 1911"
- P. 1206, L. 26, "big" should read "going"
- P. 1208, L. 22, insert "the" before "water"
- P. 1208, L. 23, "small" should read "large"
- P. 1209, L. 21, insert "Suspended matter, the extreme variation
being from 12.3%" before period (.)

P. 1210, erase from lines 16 to p. 1211 line 3 and substitute

POTASH ALUM

Time of Settling.	$\frac{1}{2}\%$	1%	2%	5%
$\frac{1}{2}$ hour.....	99(?)	94	98	95
3 hours.....	99	99	95	96
14 hours.....	100	..	100	
15 hours.....				
20 hours.....				

CaO PRESENT AFTER ADDING LIME WATER.

	.00305%	.00595%	.01136%	.02083%	.02885%	.04167%
$\frac{1}{2}$ hour ..	77	95	98	100	100	95
3 hours..	91	100	100	100	100	98
14 hours..						
15 hours..	100	98	100	100	96	
20 hours..						

P. 1211, L. 7, "0.59%" should read "0.57%"

P. 1211, L. 27, "teh" should read "the"

P. 1214, L. 27, after "Patent" reads "are"

P. 1220, L. 13, "enonomically" should read "economically"

ERRATA.

VOLUME IV.

- P. 1323, L. 22, "advisable" should read "advised"
- P. 1327, L. 12, "Separations" should read "Separation"—omit (,)
- P. 1327, L. 13, insert "or that said Minerals Separation American Syndicate, limited," before "received"
- P. 1332, L. 9, insert "of said letters patent or has continued such infringement" before "after"
- P. 1333, L. 21, insert "now" before "able"
- P. 1334, L. 5, "was" should read "were"
- P. 1335, L. 2, insert "and" before "substantial"
- P. 1338, L. 14, "589,070" should read "689,070" and "February" should read "December"
- P. 1339, L. 16, insert "deposited and filed" before "by"
- P. 1341, L. 7, insert after "No.," "777,274 were granted thereon upon December 13, 1904. Arthur E. Cattermole, Henry L. Sulman and Hugh F. Kirkpatrick-Picard, all residents of London, England, on March 29, 1904, deposited and filed in the United States Patent Office their application for letters patent of the United States, and that letters patent No."
- P. 1341, L. 19, change "graned" to "granted"
- P. 1342, L. 4, cancel "after" "1906"
- P. 1345, L. 23, insert "of" before "eight"
- P. 1346, L. 25, "weight" should read "weigh"
- P. 1352, L. 28, "understood" should read "understand"
- P. 1357, L. 14, insert "69" before "Now"
- P. 1359, L. 26, insert "89" before "When"
- P. 1360, L. 5, insert "oil" before "was"
- P. 1360, L. 15, insert "93" before "Then"
- P. 1361, L. 6, "R." should read "A."
- P. 1362, L. 3, cancel whole line and insert, "Only one"
- P. 1364, After L. 13, insert "A. One."
- P. 1369, L. 22, insert "164th" before "Now."
- P. 1369, L. 28, "examined" should read "examination"
- P. 1373, L. 15, "of" should read "for"
- P. 1374, L. 15, "part" should read "parts"
- P. 1375, L. 8, "Mineral" should read "Minerals" and "Separations" should read "Separation"
- P. 1376, L. 24, "large" should read "larger"
- P. 1381, L. 6, insert "water. A second method is by attachment of these mineral particles around gas bubbles which float upon" after "upon".
- P. 1404, L. 4, insert "of" before "cleaned"
- P. 1404, L. 30, "fel-" should read "feld"
- P. 1416, L. 25, "Ballott" should read "Ballot"
- P. 1421, L. 10, "oriignal" should read "original"

- P. 1429, L. 25, " was " should read " were "
- P. 1434, L. 17, insert " being " before " fine "
- P. 1441, L. 3, insert " for repair and the very frequent shut-downs " after " shut-downs "
- P. 1442, L. 15, insert " to " before " for "
- P. 1444, L. 16, " volumne " should read " volume "
- P. 1445, L. 20, " T. H. Hoover " should read " T. J. Hoover "
- P. 1446, L. 29, " me " should read " for one "
- P. 1451, L. 20, " Centrigrade " should read " Centigrade "
- P. 1451, L. 21, " appearances " should read " appearance "
- P. 1451, L. 25, " Centrigrade " should read " Centigrade "
- P. 1457, L. 4, " ules " should read " ues "
- P. 1457, L. 14, " mixor " should read " mixer "
- P. 1473, L. 4, " reasons " should read " reason "
- P. 1473, L. 22, " 2627," should read " 26, 27,"
- P. 1476, L. 31, " olei caeid " should read " oleic acid "
- P. 1479, L. 3, " dliute " should read " dilute "
- P. 1494, L. 13, " insert " to " before " themselves "
- P. 1500, L. 13, " floating " should read " flowing "
- P. 1501, L. 20, " tnued " should read " inued "
- P. 1505, L. 5, " being " should read " using "
- P. 1505, L. 21, " ore " should read " ores "
- P. 1507, L. 15, " ore " should read " ores "
- P. 1520, L. 25, insert " carbon " before " dioxid "
- P. 1525, L. 24, " sa " should read " as "
- P. 1531, L. 20, " sum " should read " scum "
- P. 1532, L. 4, " iztd " should read " ized "
- P. 1532, L. 23, " mateured " should read " matured "
- P. 1539, L. 15, " incoemptent " should read " incompetent "
- P. 1547, L. 27, " 50 " should read " 30 "
- P. 1552, L. 19, insert quotation mark (") before " fraction "
- P. 1558, L. 28, " oriignal " should read " original "
- P. 1556, L. 3, " raito " should read " ratio "
- P. 1568, L. 22, change " 735.381 " to " 735,071 "
- P. 1577, L. 21, " electro-" should read " electro "
- P. 1578, L. 6, " electrochemically " should read " electrolytically "
- P. 1581, L. 20, insert " and bubbles of air or gas in this body of ore-pulp " before , " what "
- P. 1587, L. 28, " patent " should read " patents "
- P. 1604, L. 7, cancel " the "
- P. 1613, L. 19, " the final " should read " these final "
- P. 1618, L. 5, " Picard " should read " Higgins "
- P. 1622, L. 20, " serve " should read " serves "
- P. 1624, L. 15, " Ballentyne " should read " Ballantyne "
- P. 1627, L. 18, cancel " the " before " fine "
- P. 1632, L. 31, cancel " accompanying "
- P. 1635, L. 16, insert " ever " before " occur "
- P. 1641, L. 11, " amount " should read " amounts "
- P. 1642, L. 19, " dripping " should read " dropping "
- P. 1651, L. 26, " the " should read " this "
- P. 1653, L. 9, " taind " should read " tain "

- P. 1656, L. 7, " out " should read " up "
- P. 1656, L. 17, insert " to " before " entrap "
- P. 1657, L. 23, " where " should read " were "
- P. 1666, L. 11, insert " the central tube and out at the top, so forming a circuit " before " in "
- P. 1667, L. 5, insert " Boulton," before " Haywood "
- P. 1669, L. 8, " 10," should read " 19,"
- P. 1672, L. 20, " together " should read " altogether "
- P. 1676, after L. 12, insert " was formed in which oil, water, mineral and gaugue were contained as a "mush" some of this material "
- P. 1677, L. 18, " 783 " should read " 7803 "
- P. 1677, L. 24, " laboratoory " should read " laboratory "
- P. 1678, L. 27, " of " should read " oil "
- P. 1682, L. 22, insert " in " before " that answer "
- P. 1682, L. 25, contomitantly " should read " concomitantly "
- P. 1684, L. 3, cancel " was "
- P. 1686, L. 29, " effecting " should read " affecting "
- P. 1688, L. 7, " reported " should read " report "
- P. 1690, L. 22, " type " should read " types "
- P. 1695, L. 30, insert " badly " after " frequently "
- P. 1698, L. 27, " piror " should read " prior "
- P. 1699, L. 25, " certanily " should read " certainly "
- P. 1700, L. 15, " introduceian " should read " introduction "
- P. 1709, after L. 2, insert " Drawing," and the small drawing as " Froment "
- P. 1709, L. 17, cancel " for it "
- P. 1717, L. 21, " Higgins " should read " Higgins' "
- P. 1727, L. 11-14, cancel from " Guided by " to " or not "
- P. 1734, L. 25, " constitued " should read " constituted "
- P. 1736, L. 22, " large " should read " larger "
- P. 1738, L. 9, " tious " should read " tors "
- P. 1739, L. 7, " relations " should read " relation "
- P. 1742, L. 29, " reefrence " should read " reference "
- P. 1743, L. 23, " sirring " should read " stirring "
- P. 1744, L. 4, insert " flotation process and the Sulman and Picard " before " process "
- P. 1744, L. 14, insert " type or the Sulman and Picard's bubble type of " before " process "
- P. 1744, L. 15, " gass " should read " gas "
- P. 1746, L. 11, insert " more " before " spitzkasten "
- P. 1755, L. 18, insert " crushed " before " dry "
- P. 1758, L. 14, insert " so as to reach down on the inside of the mixing vessel " before " well "
- P. 1765, L. 11, cancel " last "
- P. 1766, L. 12, insert " then " before " both "
- P. 1771, L. 14, " Milan " should read " Turin "
- P. 1771, L. 27, " Milau " should read " Turin "
- P. 1772, L. 7, " Milau " should read " Turin "
- P. 1772, L. 8, " Milau " should read " Turin "
- P. 1775, L. 16, insert " as " before " to which "

- P. 1795, L. 18, "fattey" should read "fatty"
- P. 1798, L. 6, "aluminm" should read "aluminum"
- P. 1798, L. 9, "ulaces" should read "places"
- P. 1801, Ll. 19-21, cancel.
- P. 1801, L. 30, "R" should read "A"
- P. 1802, L. 21, "iriginal" should read "original"
- P. 1812, L. 17, "17" should read "117"
- P. 1819, L. 9, insert "in" before "these"
- P. 1828, L. 29, "my" should read "may"
- P. 1830, L. 17, insert "Fitzalis" before "KirkPatrick-Picard"
- P. 1833, L. 11, "clearly" should read "closely"
- P. 1853, L. 21, "other gas current by the use of any suitable spraying or" insert before "atomizing"
- P. 1854, L. 23, "intsances" should read "instances"
- P. 1855, L. 19, "was" should read "with"
- P. 1855, L. 29, "dessiminating" should read "disseminating"
- P. 1856, L. 19, "and" should read "that" after colon (:)
- P. 1857, L. 3, "represetnatives" should read "representatives"
- P. 1866, L. 26, "widley" should read "wideiy"
- P. 1883, L. 10, "Chie" should read "Chief"
- P. 1886, L. 10, "persented" should read "presented"
- P. 1886, L. 16, "admis" should read "admix"
- P. 1890, L. 8, insert "then treating the resulting metallic sulfid" before "with a"
- P. 1890, L. 14, insert "same to the action of a soluble sulfid then treating the" before "resulting"
- P. 1895, L. 11, insert "or on an application for a patent filed in any country foreign to the United States by him or his legal representatives or assigns more than twelve months prior to the filing of said application" before "and that"
- P. 1902, after last line insert "Patented December 19, 1905"
- P. 1904, L. 19, "or" should read "of"
- P. 1905, L. 11, "matter" should read "material"
- P. 1905, L. 14, insert "condition" before "during"
- P. 1905, L. 27, insert "into intimate contact with all portions of the ore. The Vessel may be steam jacketed, or otherwise suitably heated, if found necessary to maintain the selective material," after "material"
- P. 1906, L. 5, "moved" should read "removed"
- P. 1911, L. 21, "claims" should read "case as follows"
- P. 1914, L. 3, "Tchirner" should read "Tschirner"
- P. 1931, L. 12, "section" should read "sectional"
- P. 1934, L. 15, "of" should read "for" after "solution"
- P. 1934, L. 23, "covered" should read "moved"
- P. 1935, L. 21, "mash" should read "marsh"
- P. 1940, L. 12, insert "result" before "is"
- P. 1943, L. 18, insert "furnace" before "H."
- P. 1944, L. 9, insert "kept" before "filled"

- P. 1945, L. 26, insert " gently agitating the portion thereof which settles, and in " after " in "
- P. 1947, Ll. 23-25, cancel from " into fine " to " solution "
- P. 1948, L. 6, insert " to " after " in "
- P. 1949, L. 24, insert " in " before " sep- "
- P. 1950, L. 29, insert " or in public use or on sale in the United States for more than two years prior to this application " after colon (:)
- P. 1953, L. 6, cancel " in " before " invention "
- P. 1954, L. 7, " paentable " should read " patentable "
- P. 1956, L. 26, " perosene " should read " kerosene "
- P. 1960, L. 15, " 726,609 " should read " 725,609 "
- P. 1963, L. 17, cancel " any " before " chance "
- P. 1964, L. 11, " gentling " should read " gently "
- P. 1977, Ll. 28 & 29, cancel " of the surface "
- P. 1981, transpose lines 17 and 18
- P. 1991, L. 3, " proceedure " should read " procedure "
- P. 1992, L. 13, " f led " should read " filed "
- P. 1995, L. 9, " g " should read " g' "
- P. 2000, L. 3, " or " should read " of "
- P. 2004, L. 22, " Jaune " should read " June "
- P. 2009, L. 8, " Sulma " should read " Sulman "
- P. 2010, L. 9, " No." should read " Nov. "
- P. 2013, L. 20, " Mial " should read " Mail "
- P. 2017, L. 22, insert " so " before " used "
- P. 2018, L. 14, " aperatures " should read " apertures "
- P. 2019, L. 19, " a " should read " r "
- P. 2019, L. 26, " ? " should read " . "
- P. 2021, L. 26, " rotable " should read " rotatable "
- P. 2023, L. 3, " rotale " should read " rotatable "
- P. 2023, L. 19, insert " a " before " submerged "
- P. 2032, L. 15, " Celveland " should read " Cleveland "
- P. 2046, L. 24, " 487 " should read " 4897 "

ERRATA.

VOLUME V.

- P. 2197, L. 1, "Circuit" should read "District"
- P. 2197, L. 4, cancel "Company" after "Separation"
- P. 2200, L. 17, "motion" should read "objection"
- P. 2210, L. 2, cancel before "Why"
- P. 2210, L. 8, "equivalent" should read "equivalents"
- P. 2210, L. 9, cancel after "them"
- P. 2211, L. 4, insert after "claims", "*res adjudicata*, and will try to prove it, the plaintiff claims"
- P. 2216, L. 22, insert after "true", "and"
- P. 2220, L. 20, "9615" should read "96;15"
- P. 2222, L. 10, cancel "both"
- P. 2222, L. 27, "tures" should read "ture"
- P. 2224, L. 1, "court" should read "Court"
- P. 2224, L. 10, cancel "the"
- P. 2226, L. 21, "forefiture" should read "forfeiture"
- P. 2227, L. 31, cancel the period (.) after "sonable"
- P. 2228, L. 14, "certorari" should read "certiorari."
- P. 2233, L. 20, cancel "and keep"
- P. 2234, L. 16, "Romacka" should read "Romadka"
- P. 2237, L. 12, insert after "core", "and limit to the forming of the roll with the core"
- P. 2238, L. 24, insert "Court", after "Supreme"
- P. 2238, L. 25, "218221" should read "218,221"
- P. 2239, L. 10, cancel "say"
- P. 2243, L. 10, "elecrolytic" should read "electrolytic"
- P. 2250, L. 3, "mistaking" should read "mistakes"
- P. 2251, L. 15, "1892" should read "1912"
- P. 2255, L. 15, "question" should read "case"
- P. 2256, L. 6, "road" should read "broad"
- P. 2275, L. 4, "comity" should read "priority"
- P. 2276, L. 2, "stipultoin" should read "stipulation"
- P. 2277, L. 21, "sufficient" should read "insufficient"
- P. 2277, L. 24, "Lime" should read "Line" and "Jacobson", should read "Jacobsen"
- P. 2278, L. 10, insert "with", after "contact"
- P. 2278, L. 21, "waive" should read "raise"
- P. 2282, L. 14, "that" should read "it"
- P. 2283, L. 23, "KREMER" should read "GARRISON"
- P. 2285, L. 9, insert "or the benefit of the knowledge of James M. Hyde" after "Hyde"
- P. 2287, L. 32, "a cross" should read "across" and insert "the" after "across"
- P. 2288, L. 12, "Kramer" should read "Kremer"
- P. 2295, L. 8, cancel "not"
- P. 2297, after L. 27, insert, "Letter dated July 2, 1913, admitted in evidence and marked Plaintiff's Exhibit No. 5."
- P. 2300, L. 24, "argumenting" should read "augmenting"

- P. 2301, L. 1, " Mineral " should read " Minerals "
- P. 2301, L. 2, " arations " should read " aration "
- P. 2302, L. 20, " ony " should read " any "
- P. 2304, L. 21, " 1915 " should read " 1913 "
- P. 2305, L. 17, insert " proceedings " after " following "
- P. 2306, L. 5, " separting " should read " separating "
- P. 2312, L. 16, cancel " X "
- P. 2318, L. 25, " eral " should read " erals "
- P. 2321, L. 11, insert " to ", after " object "
- P. 2325, L. 21, " flotations " should read " flotation "
- P. 2332, L. 27, " object " should read " objection "
- P. 2339, L. 11, " that " should read " what "
- P. 2345, L. 11, " X " should read " R "
- P. 2345, L. 14, " X " should read " R "
- P. 2345, L. 16, " X " should read " R "
- P. 2349, L. 10, cancel " admitted "
- P. 2350, L. 17, cancel " Company "
- P. 2351, L. 15, " or " should read " on "
- P. 2360, L. 21, " persentations " should read " presentations "
- P. 2367, L. 31, " becaues " should read " because "
- P. 2368, L. 14, " Leipmann " should read " Leibmann "
- P. 2369, L. 8, " Leipmann " should read " Leibmann "
- P. 2378, L. 17, " licensee " should read " licensees "
- P. 2381, L. 24, insert " 32 " after " Q."
- P. 2383, L. 7, " 20th " should read " 30th "
- P. 2384, L. 1, " Frank B." should read " Frank R."
- P. 2384, L. 24, " Frank B." should read " Frank R."
- P. 2385, L. 1, " Frank B." should read " Frank R."
- P. 2386, L. 1, " Frank B." should read " Frank R."
- P. 2389, L. 28, " invenion " should read " invention "
- P. 2397, L. 21, " doctrine " should read " decision "
- P. 2403, L. 6, " frequently " should read " properly "
- P. 2407, L. 24, " ecsses " should read " cesses "
- P. 2408, L. 19, " Procter " should be " Proctor "
- P. 2417, L. 24, cancel " What " and " was " should read " Was "
- P. 2421, L. 3, " Hurly " should read " Hurley "
- P. 2431, L. 2, " concenient " should read " convenient "
- P. 2434, L. 9, " forth " should read " froth "
- P. 2437, L. 11, " Janey " should read " Janney "
- P. 2441, L. 8, " tweill " should read " twill "
- P. 2442, L. 18, cancel " the " after " over "
- P. 2448, L. 17, " contitute " should read " constitutes "
- P. 2465, L. 25, insert " much " after " pretty "
- P. 2467, After L. 10, insert " A. I had supervision over them, yes sir."
- P. 2472, L. 24, insert " x-Q. 254½ " after " WILLIAMS."
- P. 2474, L. 2, insert " us " after " give "
- P. 2477, L. 7, " 25 " should read " 20 "
- P. 2479, L. 5, cancel " there "
- P. 2479, L. 8, " 279 " should read " 297 "
- P. 2492, L. 13, " 394 " should read " 384 "

- P. 2496, After L. 5, insert "A. Yes, Sir."
- P. 2496, L. 26, insert "this day's operation was selected for the purpose of" before "this"
- P. 2499, L. 17, "kind" should read "kinds"
- P. 2501, L. 26, "figures" should read "figure"
- P. 2505, L. 17, insert "or systematic sampling, and systematic determination" after "tion"
- P. 2506, L. 8, "other" should read "ether"
- P. 2508, L. 3, "enedavored" should read "endeavored"
- P. 2516, L. 16, "546" should read "544"
- P. 2525, L. 4, "palnts" should read "plants"
- P. 2525, L. 17, "calculaters" should read "calculators"
- P. 2525, L. 26, "calcuclation" should read "calculation"
- P. 2526, L. 27, "laboratoory" should read "laboratory"
- P. 2530, L. 20, "apparatus" should read "aperture"
- P. 2530, L. 21, "aperature" should read "aperture"
- P. 2537, L. 23, cancel "ON" and "VOIRE" should read "VOIR"
- P. 2542, L. 20, "5" should read "3."
- P. 2543, L. 5, "1916" should read "1915"
- P. 2561, L. 5, "test" should read "tests"
- P. 2564, L. 5, "92" should read "91"
- P. 2567, L. 2, "proporties" should read "properties"
- P. 2567, L. 7, "dure" should read "duce"
- P. 2570, L. 26, "Sall" should read "Ball"
- P. 2572, L. 20, "execllent" should read "excellent"
- P. 2576, L. 9, "pin" should read "pine"
- P. 2584, L. 10, "samples" should read "sample" and "were" should read "was"
- P. 2588, L. 30, cancel "of the". "issue" should read "issued"
- P. 2593, L. 30 & 31, erase from "and" to and including "phenol"
- P. 2597, L. 15, insert "time" after "the"
- P. 2606, L. 8, "it" should read "is"
- P. 2607, L. 2, "303" should read "313"
- P. 2607, L. 19, insert "317" after "Q."
- P. 2611, L. 12, "palnt" should read "plant"
- P. 2614, L. 23, "231" should read "341"
- P. 2616, L. 6, "42" should read "242"
- P. 2617, After L. 17, insert "x-Q. 383. You said you added 1.60 oil to that, didn't you? A. Yes, sir."
- P. 2617, L. 29, insert "that they are large enough so that if you would analyze" after "sure"
- P. 2619, L. 13, "out" should read "about"
- P. 2628, After L. 22, insert "R-X-Q. 443. The Dorr thickener -was not known to you when you began the next twenty four run?"
- P. 2629, L. 17, "Mangna" should read "Magna"
- P. 2653, L. 20, insert "from these return cells which to make up the circulating load contains a certain amount of oil, the froth" after "froth"
- P. 2656, L. 18, "waws" should read "was"
- P. 2657, L. 3, "97,687" should read "97.887"

- . 2660, L. 10, " thorough " should read " through "
- . 2672, L. 3, " two " should read " to "
- . 2672, L. 11, " as " should read " a "
- . 2689, L. 19, " 1913 " should read " 1915 "
- . 2703, L. 22, cancel " that "
- . 2704, L. 13, " to " should read " of "
- . 2704, L. 28, " that's " should read " that is "
- . 2710, L. 12, insert " and from the spitzkastens " after " Spitzkastens "
- . 2711, L. 6, " maerial " should read " material "
- . 2712, L. 19, " we " should read " was "
- . 2715, L. 14, cancel " which "
- . 2716, L. 10, " an " should read " and "
- . 2719, After L. 28, insert " A. (interrupting) per day. I don't remember I "
- . 2720, L. 5, cancel.
- . 2723, L. 6, " least " should read " last "
- . 2726, L. 4, " propotrion " should read " proportion "
- . 2734, L. 4, " for " should read " forth "
- . 2739, L. 24, " Compelled " should read " compiled "
- . 2742, L. 21, " thorough " should read " through "
- . 2743, L. 21, " feet " should read " holes "
- . 2743, L. 23, " feet " should read " holes "
- . 2745, L. 7, " informatian " should read " information "
- . 2759, L. 13, " opertion " should read " operation "
- . 2760, L. 7, insert " I " after " aud "
- . 2762, L. 25, " GARRISON " should read " KREMER "
- . 2763, L. 9, bookkeepepr " should read " bookkeeper "
- . 2764, L. 5, " falacious " should read " fallacious "
- . 2773, L. 18, erase " as not " and insert " that he will " and erase " him " after " have " and insert " to "
- . 2785, L. 4, " 77 " should read " 79 "
- . 2787, L. 3, erase " case " and insert " page "
- . 2787, L. 15, " 1899 " should read " 1889 "
- . 2788, L. 21, " disclosed " should read " discussed "
- . 2791, L. 15, insert " any " after " with "; L. 27, erase " 5 "
- . 2798, L. 24, " oil " should read " ore " after " thin "
- . 2804, L. 19, " gress " should read " greens "
- . 2807, L. 10, " 22. " should read " 32. "
- . 2813, L. 14, " uesd " should read " used "
- . 2813, L. 23, " sulphite " should read " sulphide "
- . 2816, L. 7, " produied " should read " produced "
- . 2821, L. 13, " leaves a " should read " leads the "
- . 2837, L. 6, " differenece " should read " difference "
- . 2837, L. 17, " forth " should read " froth "
- . 2844, L. 17, " parrafine " should read " paraffine "
- . 2850, L. 12, " J² " should read " D² "
- . 2850, L. 26, " cecond " should read " second "
- . 2851, L. 24, " Floatant " should read " Flotant "
- . 2859, L. 3, insert " and refer to the great chemist of the sixteenth century " after " Century "
- . 2863, L. 10, " subsance " should read " substance "

- P. 3034, L. 15, " a gain " should read " again "
- P. 3036, L. 3, insert " to offer " before " them "
- P. 3036, L. 7, " graps " should read " graphs "
- P. 3036, L. 25, " or " should read " on "
- P. 3039, L. 17, " Considering " should read " Consider "
- P. 3039, L. 19, cancel " a "
- P. 3039, L. 20, " force " should read " forces "
- B. 3041, L. 19, " is " should read " in "
- P. 3041, L. 30, " surface " should read " surfaces "
- P. 3043, L. 24, insert " the " after " in "
- P. 3050, L. 30, cancel " of " after " soap "
- P. 3053, L. 14, " perimetnal " should read " perimental "
- P. 3053, L. 24, " soild " should read " solid "
- P. 3057, L. 25, insert " again " after " plates "
- P. 3058, L. 12, " w " should read " d "
- P. 3059, L. 9, " binding " should read " bending "
- P. 3059, L. 22, insert " water, and on the water side it contains
some particles of " after " of "
- P. 3060, L. 2, " sir " should read " air "
- P. 3060, L. 13, " olwer " should read " lower "
- P. 3062, L. 17, " bornzing " should read " bronzing "
- P. 3066, After L. 31, insert " A. No. "
- P. 3073, L. 19, " subtsances " should read " substances "
- P. 3074, L. 14, " is " should read " if "
- P. 3076, L. 26, " tempearture " should read " temperature "
- P. 3082, L. 3, " phenomena " should read " phenomenon "
- P. 3083, L. 11, " perssed " should read " pressed "
- P. 3089, L. 15, " as " should read " has "—" for " should read " of "
- P. 2090, L. 26, " 140 " should read " 14C "
- P. 3090, L. 27, " cr " should read " of "
- P. 3092, L. 15, " or " should read " of "
- P. 3092, L. 29, " absorberd " should read " adsorberd "
- P. 3099, L. 8, " disturbanes " should read " disturbance "
- P. 3099, L. 14, " absorberd " should read " adsorberd "
- P. 3100, L. 25, insert " at the inside of the bubble, and at the
metal oil surface " after " surface "
- P. 3101, L. 16, " absorpition " should read " adsorption "
- P. 3105, L. 14, " minnum " should read " minimum "
- P. 3109, L. 13, " is it " should read " it is "
- P. 3110, L. 20, " understood " should read " understood "
- P. 3115, L. 7, " exery " should read " every "
- P. 3115, L. 9, cancel " over every bubble " and insert " of oil
might attach itself to the ore molecule of " after
" molecule "
- P. 3117, L. 15, " difference " should read " differences "
- P. 3120, L. 16, " tnesion " should read " tension "
- P. 3120, L. 24, insert " your " after " get "
- P. 3124, L. 2, " form " should read " perform "
- P. 3124, L. 9, " ore " should read " air "
- P. 3129, L. 8, " force " should read " forces "
- P. 3129, L. 29, " stock " should read " stick "

- P. 3130, L. 27, "or" should read "of"
- P. 3132, L. 6, "that" should read "what"
- P. 3133, L. 7, "Strasberg" should read "Strasburg"
- P. 3133, L. 9, "Leipsiz" should read "Leipsig"
- P. 3133, L. 10, "by" should read "my"
- P. 3133, L. 19, "Cookke's" should read "Cooke's"
- P. 3137, L. 7, "might" should read "must"
- P. 3141, L. 23 "cohoool" should read "cohol"
- P. 3142, L. 15, "solution" should read "solutions"
- P. 3143, L. 17, "causes" should read "cases"
- P. 3145, L. 17, "insoluble" should read "soluble"
- P. 3145, L. 30, "absorption" should read "adsorption"
- P. 3147, L. 16, "absorption" should read "adsorption"
- P. 3147, L. 26, cancel "oils" and insert "practically insoluble oils and range" after "with"; cancel "and change"
- P. 3150, L. 22, insert "first that water and pine oil when stirred give no permanent froth. There is a temporary froth but no permanent one. We showed" after "showed"
- P. 3151, L. 10, "sceonds" should read "seconds"
- P. 3158, L. 20, "nor" should read "or"
- P. 3161, L. 16, cancel "like"
- P. 3161, L. 15, insert "again" after "looks"
- P. 3162, L. 25, insert "it" after "at"
- P. 3163, L. 25, "absoltuely" should read "absolutely"
- P. 3178, L. 4, "increase" should read "increases"
- P. 3182, L. 21, "got" should read "get"
- P. 3185, L. 16, "we" should read "We"
- P. 3189, L. 11, insert "recovery and" after "100%"
- P. 3192, L. 2, "a" should read "of"
- P. 3193, L. 13, insert "either" after "theory"
- P. 3196, L. 20, "tension" should read "tensions"
- P. 3197 L. 7, "slow" should read "low"
- P. 3198, L. 27, "then" should read "that"
- P. 3199, L. 5, insert "not" after "generally"
- P. 3199, L. 6, "and which use the" should read "so it is a"
- P. 3199, L. 31, insert "all" after "they"
- P. 3200, L. 9, "139" should read "130"
- P. 3202, L. 26, insert "first" before "on"
- P. 3205, L. 26, "second" should read "minute"
- P. 3206, L. 21, cancel "of"
- P. 3211, L. 13, insert " "as an oil", and wherever he repeats it he always says", after (:)
- P. 3212, L. 26, "er" should read "or"
- P. 3214, L. 19, insert "to eat" after "got"
- P. 3215, after L. 9, insert "A. Yes."
- P. 3215, L. 10, insert "force," after "a"
- P. 3215, L. 11, insert "would" before "it" and cancel "or the result of the"
- P. 3215, L. 16, "forec" should read "force"

- P. 3217, L. 10, " of " should read " or "
- P. 3217, L. 21, insert " a " after " to "
- P. 3220, L. 2, " storage " should read " range "
- P. 3221, L. 8, " Capillar " should read " Kapillar "
- P. 3223, L. 2, " liquifies " should read " liquefies "
- P. 3223, L. 25, " Wilbut " should read " Wilder "
- P. 3226, L. 14, " MacQuistion " should read " MacQuisten "
- P. 3228, L. 27, " suposed " should read " supposed "
- P. 3229, L. 22, erase colon (:) after " surface "
- P. 3237, L. 16, " Circulation " should read " Circulating "
- P. 3238, L. 13, insert " that " after " before "
- P. 3240, L. 18, " uopn " should read " upon "
- P. 3243, L. 17, " 1917 " should read " 1914 "
- P. 3246, L. 12, " regular " should read " rougher "
- P. 3250, L. 3, insert " these go through 15 more in multiple, and the tailings from " after " from "
- P. 3259, L. 7, insert " of " after " year " and " yea " should read " year "
- P. 3263, L. 23, " and " should read " the "
- P. 3265, L. 4, " tailings " should read " tailing "
- P. 3265, L. 27, insert " roughers, and then followed by another set of five as " after " as "
- P. 3266, L. 4, " date " should read " data "
- P. 3266, L. 5, " operations " should read " operation "
- P. 3268, L. 24, insert " Take the run of February 8th to 28th in this same plant." after " ton "
- P. 3271, L. 12, " concentration " should read " concentrate "
- P. 3272, L. 8, " an " should read " a "
- P. 3278, L. 22, " charge " should read " change "
- P. 3285, L. 19, " this " should read " these "
- P. 3291, L. 12, " froth " should read " from "
- P. 3295, L. 12, " ail " should read " oil "
- P. 3299, L. 21, " 6.69 " should read " 6.69 "
- P. 3300, L. 6, " resutling " should read " resulting "
- P. 3315, L. 29, insert " of," erase " a "
- P. 3311, L. 15, " Kremer " should read " Kenyon "
- P. 3311, L. 30, " complaint " should read " complainant "
- P. 3312, L. 25, " complaint " should read " complainant "
- P. 3315, D. 8, erase comma (,) after " tion "
- P. 3315, L. 13, erase comma (,) after " tion "
- P. 3316, L. 19, erase comma (,) after " Separation "
- P. 3316, L. 21, " " " " " "
- P. 3316, L. 26, erase (,) after " Separation "
- P. 3317, L. 10, erase (,) after " Separation " and " required " should read " acquired ",
- P. 3317, L. 27, " defendant " should read " defence "
- P. 3318, L. 8, " Ballott " should read " Ballot "
- P. 3318, L. 21, cancel " been "
- P. 3318, L. 28, erase comma (,) after " Separation "
- P. 3323, L. 6, " his " should read " this "

- P. 3324, L. 19, erase comma (,) after " Separation "
- P. 3324, L. 20, " " " " " "
- P. 3327, L. 21, insert " is " after " this "
- P. 3329, L. 28, " niecessary " should read " necessary "
- P. 3330, L. 30, cancel " had " after " period "
- P. 3331, L. 3, insert " any " after " right of "
- P. 3331, L. 18, insert " concerned the only excuse offered for this amendment is " after " is "
- P. 3338, L. 8, " hydrulic " should read " hydraulic "
- P. 3338, L. 18, " forths " should read " froths "
- P. 3342, L. 26, insert " the " after " his "
- P. 3350, L. 25, " sulphide " should read " sulphuric "
- P. 3353, L. 8, " alrge " should read " large "
- P. 3355, L. 10, " 02 " should read " 0.2 "
- P. 3365, L. 24, " resutls " should read " results "
- P. 3366, L. 25, " giong " should read " going "
- P. 3370, L. 21, " sluge " should read " sludge "
- P. 3370, L. 26, insert " and " after " Ore "
- P. 3380, L. 7, " acte " should read " cate "
- P. 3380, L. 18, " 63.3 " should read " 63.03 "
- P. 3384, L. 2, " weignts " should read " weights "
- P. 3384, L. 6, " concentates " should read " concentrates "
- P. 3387, L. 7, " wil " should read " will "
- P. 3389, L. 8, " aplies " should read " applies "
- P. 3390, L. 13, " to " should read " in "
- P. 3390, After L. 21, insert " A. It did. "
- P. 3394, L. 2, " interferring " should read " interfering "
- P. 3395, L. 6, insert " 20 " after " tional "
- P. 3401, L. 27, " ide " should read " ic "
- P. 3402, L. 19, " mineral " should read " material "
- P. 3403, L. 2, " + " should read " — " before " 200 mesh, 61.04 "
- P. 3406, L. 16, " 49.05 " should read " 49.5 "
- P. 3407, L. 25, " not " should read " be "
- P. 3411, L. 19, " to " should read " so "
- P. 3412, L. 20, " bubbles " should read " bubble "
- P. 3416, L. 3, " 376,000 " should read " 375,000 "
- P. 3416, L. 15, " froths " should read " froth "
- P. 3418, L. 2, " percentages " should read " percentage "
- P. 3421, L. 27, " mgnification " should read " magnification "
- P. 3423, L. 3, " $1\frac{1}{4}\%$ " should read " $1\frac{1}{2}\%$ "
- P. 3424, L. 31, cancel " with this "
- P. 3427, L. 12, " Williams " should read " Phillips "
- P. 3430, L. 22, " chalco-pyrite " should read " chalcopyrite "
- P. 3431, L. 3, " " " " " "
- P. 3431, L. 16, " The " should read " That "
- P. 3432, L. 11, " Williams " should read " Phillips "
- P. 3434, L. 26, " 1.15 " should read " 1.5 "
- P. 3436, L. 8, " of " should read " or "
- P. 3444, L. 24, " 1913 " should read " 1916 "
- P. 3448, L. 28, " 1.38 " should read 1.35 "
- P. 3452, L. 12, " indefinite " should read " indefinite "

- P. 3453, L. 29, insert " made " after " changes "
- P. 3459, L. 10, " shold " should read " should "
- P. 3462, L. 23, " residum " should read " residuum "
- P. 3469, L. 6, insert " quantity " after " smaller "
- P. 3472, L. 25, " was " should read " were "
- P. 3477, L. 6, " becaues " should read " because "
- P. 3479, L. 28, " by " should read " in "
- P. 3480, L. 25, " seems " should read " scemed "
- P. 3481, L. 16, " bezine " should read " benzine "
- P. 3481, L. 25, " colmn " should read " column "
- P. 3490, L. 17, " cosite " should read " cocite "; L. 19, change
" chalcosite " to " chalcocite "
- P. 3492, L. 13, " other " should read " others "
- P. 3493, L. 4, insert " X " before " Q "
- P. 3495, L. 6, " our " should read " the " and " palnts " should
read " plants "
- P. 3496, L. 9, " deapartment " should read " department "
- P. 3497, L. 5, " or " should read " for "
- P. 3499, L. 19, " Theer " should read " There "
- P. 3519, L. 17, " thou " should read " that "
- P. 3520, L. 6, " degree " should read " figure "
- P. 3525, L. 11, " Barret " should read " Barrett "
- P. 3525, L. 18, " if " should read " of "
- P. 3525, L. 28, cancel " that doesn't "
- P. 3531, L. 4, " emperical " should read " empirical "
- P. 3531, L. 9, insert " familiar to all of us and which are " after
" are "
- P. 3534, L. 25, " the " should read " that " after " at "
- P. 3537, L. 15, " pass " should read " plot "
- P. 3537, L. 16, " blot " should read " plot "
- P. 3539, L. 14, " Q " should read " Y "
- P. 3539, L. 28 and 29, cancel from " but " to and including " dilu-
tion "
- P. 3540, L. 20, " some " should read " more "

ERRATA.

VOLUME VII.

- P. 3541, L. 3, erase " and." after " age."
- P. 3543, L. 12, " the same the percentage of water in the feed ;
and " after " are "
- P. 3543, L. 14, insert " the pounds of oil per ton of feed and that
the same variation as before holds, namely,"
after " namely,"
- P. 3549, L. 2, " Is " should read " It "
- P. 3549, L. 19, " date " should read " data "
- P. 3549, L. 26, " efficiency " should read " efficient "
- P. 3552, L. 13, " vaner " should read " vanner "
- P. 3553, L. 9, " computation " should read " computation "
- P. 3553, L. 29, " represenatives " should read " representatives "
- P. 3554, L. 8, " recally " should read " really "
- P. 3554, L. 21, " tihs " should read " this "
- P. 3556, L. 10, insert " very " after " were "
- P. 3556, L. 31, " represents " should read " represented "
- P. 3559, L. 4, " simple " should read " sample "
- P. 3560, L. 19, " insert " such " after " test "
- P. 3560, L. 20, " witnesses " should read " witness "
- P. 3561, L. 21, " these " should read " those "
- P. 3563, L. 11, " of " should read " if "
- P. 3565, L. 8, insert " do " after " or "
- P. 3576, LL. 20 & 21, cancel from " you " to and including " some-
what "
- P. 3577, L. 23, " found " should read " bound "
- P. 3578, L. 26, " genelman " should read " gentlemen "
- P. 3578, L. 27, insert " everything " after " omitted "
- P. 3584, LL. 10 & 11, cancel both lines.
- P. 3584, L. 12, insert " not " after " can "
- P. 3584, L. 28, insert " rather than one of scientific technical oper-
ation " after " operation."
- P. 3589, L. 10, " 128 " should read " 138 ".
- P. 3591, L. 13, insert " The Court : " before " The "
- P. 3595, L. 18 " maintaintd " should read " maintained "
- P. 3595, L. 27, " to " should read " in " after " happen "
- P. 3597, L. 14, " objetcion " should read " objection "
- P. 3598, L. 28, " other " should read " others "
- P. 3599, L. 19, insert " not " after " do "
- P. 3601, L. 9, " transmited " should read " translated "
- P. 3602, L. 17, " detaails " should read " details "
- P. 3603, L. 14, insert " a sample of the concentrate was obtained—
that having been done," after " done,"
- P. 3607, L. 9, " Cattermole " should read " cataract "
- P. 3608, L. 17, insert " with the semi-circular doors, the agitation
resulting " after " apparatus "
- P. 3614, L. 4, cancel (") before " It "

- P. 3614, L. 5, cancel (") after " suit."
- P. 3614, L. 19, cancel period (.) after " grouped "
- P. 3615, L. 31, cancel period (.) after " cite "
- P. 3616, L. 8, insert " in the form of a froth or especially as a gaseous froth," after " surface,"
- P. 3617, LL. 24 & 25 & 26, cancel from " and " to and including " acid "
- P. 3619, L. 9, change the first " oil " to " oils "
- P. 3620, L. 24, cancel period (.) after " volatile "
- P. 3622, L. 26, ".09 " should read ".9 "
- P. 3626, L. 11, " concentrate " should read " concentrates "
- P. 3626, L. 26, " olefine " should read "olefine "
- P. 3627, L. 13, insert " the clear intent of certain features of " before " the invention "
- P. 3633, L. 20, insert " form " after " vortex "
- P. 3633, L. 29, " a " should read " at "
- P. 3639, L. 3, " Johnston " should read " Johnson "
- P. 3639, L. 9, " Johnston " should read " Johnson "
- P. 3641, L. 4, insert " cell " after " which "
- P. 3643, L. 2, " amounted " should read " mounted "
- P. 3645, L. 21, " Sullivan " should read " Sulman "
- P. 3647, L. 14, insert (") after " solution "
- P. 3647, L. 20, insert (") after " particles "
- P. 3649, L. 7, " colloqually " should read " colloquially "
- P. 3650, L. 9, " at " should read " had "
- P. 3654, L. 8, insert " Hill " after " Fryer "
- P. 3654, L. 20, " received " should read " receiver "
- P. 3658, L. 25, insert " after " after " because "
- P. 3658, L. 29, " Or " should read " Of "
- P. 3659, L. 8, insert " of " after " satisfied "
- P. 3659, L. 15, cancel (") before " In "; insert " floating " after " In "
- P. 3659, L. 15 & 16, cancel " floating " and (.) after " mass "
- P. 3659, L. 18, insert " fans " after " these "
- P. 3659, L. 29, cancel (") after " illustrations "
- P. 3660, L. 10, " affect " should read " effect "
- P. 3660, L. 12, " affect " should read " effect "
- P. 3660, L. 29, " silght " should read " slight "
- P. 3662, L. 20, " Cryley " should read " Criley "
- P. 3662, L. 26, " sulphate " should read " sulphurets"; " rise " should read " rose "; " is " should read " was "
- P. 3664, L. 14, " of " should read " or "
- P. 3664, L. 22, " of " should read " or "
- P. 3665, L. 17, " silicious " should read " silicious "
- P. 3665, L. 24, insert " to " after " referred "
- P. 3668, L. 18, insert " in a small test experiment " after (,)
- P. 3668, L. 19, cancel (") before " The "
- P. 3668, L. 25, " rapidly " should read " readily "
- P. 3670, L. 2, " analoguous " should read " analogous "
- P. 3672, L. 30, " any " should read " my "
- P. 3672, L. 31, " to any " should read " with "

- P. 3673, L. 22, insert (,) after " advised "
- P. 3674, L. 28, " separte " should read " separate "
- P. 3675, L. 12, insert " Stirring " after " The "
- P. 3675, L. 14, " bring " should read " break "
- P. 3675, L. 26, " concentration " should read " concentrates ";
" falls " should read " fall "
- P. 3677, L. 8, " flowing " should read " blowing "
- P. 3677, L. 9, " here " should read " there "
- P. 3677, L. 30, insert " as " after " used "
- P. 3679, L. 13, " practice " should read " practiced "
- P. 3679, L. 30, " by " should read " when "
- P. 3680, L. 3, (,) should read (-) after " water "; " an " should
read " in "; (:) should read (-) after " emul-
sion "
- P. 3680, L. 19, " decided " should read " decisive "
- P. 3680, L. 26, " , " should read "(" before " varied "; " varied " should
read " differing ";
- P. 3680, L. 28, " , " should read "() " after " oil "
- P. 3681, L. 3, " and " should read " or "
- P. 3681, L. 5, " larger " should read " ready "; " of " should read
" for "
- P. 3683, L. 20, " contained " should read " downward "
- P. 3684, L. 6, " and " should read " while "
- P. 3684, L. 7, after " gangue " insert " remaining $\frac{1}{2}$ in admixture
with "; erase " in "
- P. 3684, L. 11, " this " should read " the "
- P. 3684, L. 13, " very " should read " not "
- P. 3684, L. 14, cancel " the "
- P. 3685, L. 9, " aeratiou " should read " aerating "
- P. 3687, L. 19, cancel " and was— "
- P. 3687, L. 22, insert (,) after " Sulman "
- P. 3689, L. 6, " is " should read " in " after " produced "
- P. 3697, L. 18, " patent," should read " patents "
- P. 3702, L. 30, " persence " should read " presence "
- P. 3703, L. 14, insert " grade of " after " the "; " were " should
read " was "
- P. 3706, L. 6, insert " the " after " not "
- P. 3708 LL. 12 & 13, cancel from " in " to and including
" method "
- P. 3709, LL. 15 & 16, cancel from " in " to and including
" method "
- P. 3709, L. 28, " is " should read " it "
- P. 3712, L. 3, " greater " should read " greatly "; " increase " should
read " increased "
- P. 3715, L. 8, cancel " not "
- P. 3715, L. 15, " indicate " should read " indicates "
- P. 3715, L. 21, " appearanec " should read " appearance "
- P. 3718, L. 14, " You think " should read " And the "
- P. 3719, L. 15, " tanks " should read " tank "; insert " B, "
- P. 3723, L. 26, " separation " should read " specification "

- P. 3730, L. 15, insert " don't wish to make t continuous operation, then you can " after " you "
- P. 3733, LL. 26 & 27, cancel from " of " to and including " flota-tion "
- P. 3734, L. 8, " used " should read " said "
- P. 3734, L. 21, insert " in " after " is "
- P. 3735, L. 3, " drip " should read " drop- "
- P. 3735, L. 4, " dripping " should read " dropping "
- P. 3736, L. 4, " dripping " should read " dropping "
- P. 3736, L. 7, insert " of " after " 4 "
- P. 3736, L. 13, " constant service " should read " contact surface "
- P. 3739, L. 29, cancel " and water "
- P. 3740, L. 16, insert comma (,) and (") after " emulsified "
- P. 3740, L. 22, " conditions " should read " condition "
- P. 3740, L. 29, insert " in " after " tion "; " so " should read " sub "
- P. 3741, L. 13, " homoeogenized " should read " homogenized "
- P. 3741, L. 29, " seen " should read " due to "
- P. 3746, L. 26, " Burns " should read " Byrnes "
- P. 3747, L. 22, " Burns " should read " Byrnes "
- P. 3747, L. 23, " Burns " should read " Byrnes "
- P. 3748, L. 24, " Burns " should read " Byrnes "
- P. 3758, L. 17, insert " and " after " would "
- P. 3761, L. 5, " persence " should read " presence "
- P. 3761, L. 21, " bubble " should read " coating "
- P. 3762, L. 16, " emissible " should read " imiscible "
- P. 3763, L. 23, " becomes " should read " become "
- P. 3764, L. 23, should come after L. 24.
- P. 3766, L. 2, " form " should read " from "
- P. 3766, L. 6, " 525 " should read " 535 "
- P. 3769, L. 27, " emulsifying " should read " emulsified "
- P. 3773, L. 28, " creosol " should read " cresol "
- P. 3773, L. 31, " blackish " should read " whitish "
- P. 3774, L. 3, " osol " should read " sol "
- P. 3774, L. 5, " suitably " should read " beautifully "
- P. 3774, L. 14, (") should read (') after " bubble. "
- P. 3774, L. 15, " knowu " should read " shown "
- P. 3774, L. 21, cancel (") after " cresol "
- P. 3775, L. 24, " conditions " should read " conclusions "
- P. 3775, L. 26, insert " 50 " before " Q. "
- P. 3776, L. 13, " consists " should read " consist "
- P. 3777, L. 5, " operate " should read " operates "
- P. 3777, L. 22, cancel " and "; insert (-); " agitated " should read " agitation "
- P. 3778, L. 6, " the water " should read " wet "
- P. 3778, L. 13, " water " should read " wet "
- P. 3778, L. 15, " her " should read " hers "
- P. 3779, L. 14, " 1866 " should read " 1886 "
- P. 3782, L. 17, " 271 " should read " 571 "
- P. 3783, L. 13, " bitumin " should read " bitumen "
- P. 3783, L. 24, tumin " should read " tunen "

- . 3784, L. 27, " any " should read " my "
- . 3786, L. 9, insert " air " after " oiled "
- . 3786, L. 10, " stabilizzed " should read " stabilized "
- . 3788, L. 8, " agitation " should read " rotation "
- . 3789, L. 19, " Gagna " should read " Magna "
- . 3794, L. 13, Cancel " is "
- . 3800, L. 9, " nise " should read " nisi "
- . 3800, L. 10, insert " m " after " is "; cancel " is " after
" counsel "
- . 3801, L. 5, " offensev " should read " offensive "
- . 3803, L. 21, insert " these " after " have "
- . 3804, L. 2, " negal " should read " legal "
- . 3810, L. 29, " 15 " should read " 14 "
- . 3812, L. 12, " recovered " should read " reversed "
- . 3812, L. 29, " positoin " should read " position "
- . 3813, L. 13, cancel " conditions "; insert " in no way " after
" is "
- . 3821, L. 1, " icat " should read " fact "
- . 3821, L. 11, " More " should read " Mere "
- . 3822, L. 8, insert " if " after " for "
- . 3827, L. 17, " passes " should read " pass "
- . 3831, L. 10, " was " should read " were "
- . 3831, L. 14, " analysis " should read " analyses "
- . 3833, L. 13, " was " should read " were "
- . 3834, L. 8, " cehcked " should read " checked "
- . 3841, L. 28, " Door " should read " Dorr "
- . 3842, L. 4, " Door " should read " Dorr "
- . 3843, L. 7, cancel (") before " Exhibit "
- . 3847, L. 27, " 130 " should read " 139 "
- . 3849, L. 12, cancel " the "
- . 3851, L. 11, " an " should read " any "
- . 3856, L. 8, insert " the essential oil may be in part soluble or
not," after " whether "
- . 3858, L. 7, " mineralized " should read " mineral "
- . 3858, L. 9, " bitumin " should read " bitumen "
- . 3858, L. 13, insert " and bring said globules " after " les "
- . 3858, L. 20, " proceeds " should read " process "
- . 3858, L. 28, insert " I " after " as "
- . 3864, L. 14, cancel (") after " outlined."
- . 3864, L. 16, insert " large quantity of oil was used and the three
experiments when a " after " a "
- . 3865, L. 8, " Molybendite " should read " Molybdenite "
- . 3868, L. 26, " groms " should read " grams "; " aomunt "
should read " amount "
- . 3872, L. 9, " treatments " should read " retreatments "
- . 3872, L. 17, insert " which way they did it? A. I give two
statements " after " certain "
- . 3872, L. 22, " Bute " should read " Butte "
- . 3874, L. 5, insert " The No. 3 cleaner produced a finished con-
centrate " after " concentrate."
- . 3874, L. 18, " they are " should read " of all "

- P. 3875, L. 17, " 53 " should read " 52 "
- P. 3875, L. 23, " sepaarted " should read " separated "
- P. 3876, L. 20, " cels " should read " cells "
- P. 3877, L. 16, insert " it " after " why "
- P. 3881, L. 27, " 51.8 1/2 " should read " 15.8 $\frac{0}{0}$ "
- P. 3883, L. 3, " Janey " should read " Jänney "
- P. 3884, L. 23, " 28th " should read " 29th "
- P. 3886, L. 28, " is it " should read " it is ": insert (,) after " cop-
peras "
- P. 3886, L. 29, insert (,) after " pounds "
- B. 3888, L. 5, " 1906 " should read " 1916 "
- P. 3889, L. 31, " degree " should read " degrees "
- P. 3892, L. 11, cancel " it "
- P. 3893, L. 24, " ton " should read " tons "
- P. 3894, L. 23, " anything " should read " many things "
- P. 3896, L. 14, insert " end " after " head "
- P. 3896, L. 21, " product " should read " products "
- P. 3900, L. 19, insert " then started and 60 pounds of Butte &
Superior ore were " before " added "
- P. 3900, L. 29, " 1.265 " should read " 1.266 "
- P. 3901, L. 28, " foth " should read " froth "
- P. 3903, L. 10, " possible " should read " possibly "
- P. 3904, L. 6, insert " of ore " after " proportion "
- P. 3905, L. 21, " the- " should read " they "
- P. 3905, L. 22, cancel " in which to incline or present the pulp "
and insert " incline as presented to the pulp "
- P. 3907, L. 36, " thr " should read " the "
- P. 3909, L. 12, insert " that " after " that "
- P. 3909, L. 15, cancel " to "
- P. 3910, L. 11, " here " should read " there "
- P. 3919, L. 16, " patentee " should read " patentees "
- P. 3920, L. 19, insert " (" before " where "
- P. 3922, L. 26, cancel " of oil "
- P. 3943, L. 24, insert " X " before " Q. "
- P. 3943, L. 27, " " " " " "
- P. 3943, L. 29, insert " X " before " Q. "
- P. 3944, L. 4, insert " X " before " Q. "
- P. 3944, L. 7, " " " " " "
- P. 3944, L. 10, " " " " " "
- P. 3944, L. 12, " " " " " "
- P. 3944, L. 15, " " " " " "
- P. 3944, L. 17, " " " " " "
- P. 3944, L. 19, " " " " " " ; " know " should read
" knew "
- P. 3945, L. 5, " " " " " "
- P. 3945, L. 8, " " " " " "
- P. 3945, L. 13, " " " " " "
- P. 3945, L. 20, " " " " " "
- P. 3945, L. 23, " " " " " "
- P. 3945, L. 25, " " " " " "
- P. 3945, L. 30, " " " " " "

- P. 3946, L. 3, insert " X " before " Q. "
- P. 3946, L. 6, " " " "
- P. 3946, L. 10, " " " "
- P. 3946, L. 12, " " " "
- P. 3946, L. 17, " " " "
- P. 3946, L. 20, " " " "
- P. 3946, L. 23, " " " "
- P. 3946, L. 26, " " " "
- P. 3946, L. 30, " " " "
- P. 3948, L. 20, insert " an " after " to "
- P. 3950, L. 22, insert " were " after " tests "
- P. 3954, L. 19, " 1 " should read " 2 "
- P. 3956, L. 27, cancel " in "
- P. 3958, L. 16, cancel " 44 "
- P. 3959, L. 31, " this " should read " that "
- P. 3966, L. 2, " counsel " should read " Counsel "
- P. 3966, L. 16, insert " Company " after " Copper "
- P. 3967, L. 19, " prominence " should read " experience "
- P. 3968, L. 10, " might " should read " my "
- P. 3972, L. 5, insert " amount of sulphuric acid or some " after
" smaller "
- P. 3972, L. 28, period (.) should read (,) after " overflow "; " The "
should read " the "
- P. 3973, L. 28, insert " procedure? A. The matter of procedure
that was outlined and carried on in this machine.
Q. 107. Well, not in any detail, Mr. Hyde. It
is in the letter; But what I wanted particularly
was the matter of " after " of "
- P. 3980, L. 19, " 2nd " should read " 22nd "
- P. 3982, L. 8, " same " should read " some "
- P. 3984, L. 12, " sustained " should read " overruled "
- P. 3985, L. 2, cancel " they "
- P. 3985, LL. 27 & 28, cancel
- P. 3986, L. 2, erase " () " before " I " and after " did. "; cancel
" I do not remember of having "
- P. 3986, L. 3, erase " had any such knowledge "
- P. 3990, L. 5, " genelemen " should read " gentlemen "
- P. 3990, L. 29, " rigths " should read " rights "
- P. 3991, L. 4, insert " as " after " here "
- P. 3994, L. 22, " asid " should read " said "
- P. 3996, L. 28, " cotract " should read " contract "
- P. 4002, L. 2, " those " should read " these "
- P. 4002, L. 6, insert " engaged " after " when "
- P. 4002, L. 27, insert " is that correct " after " services? "
- P. 4004, L. 12, insert " with " after " memory "
- P. 4005, L. 8, " of " should read " in "
- P. 4006, L. 15, " cross examinatus " should read " some correc-
tions "
- P. 4013, L. 15, " situtation " should read " condition "
- P. 4014, L. 7, " reilazed " should read " realized "
- P. 4015, L. 18, " Sondejeimer " should read " Sondheimer "

- P. 4016, L. 24, insert " might " after " that "
- P. 4016, L. 28, insert " such " after " of "
- P. 4025, L. 1, insert " considered by this Court, and certainly it would not be "
- P. 4027, L. 19, " with " should read " which "
- P. 4035, L. 11, " An " should read " And "
- P. 4042, L. 1, " Greininger " should read " Greninger "
- P. 4042, L. 6, " licenses " should read " licensees "
- P. 4042, L. 12, " Greininger " should read " Greninger "
- P. 4042, L. 18, " GREININGER " should read " GRENINGER "
- P. 4043, L. 1, " Greininger " should read " Greninger "
- P. 4043, L. 7, cancel (,) after " Separation "
- P. 4043, L. 8, " Ltd., 1913," should read " 1913, Ltd.,"
- P. 4044, L. 4, " Mineral " should read " Minerals "
- P. 4045, L. 9, " Mineral " should read " Minerals "
- P. 4046, L. 8, " Mineral " should read " Minerals "
- P. 4047, L. 27, " creosote " should read " cresol "
- P. 4048, L. 29, " Mineral " should read Minerals "
- P. 4049, L. 6, erase (,) after " Separation "; cancel " Limited "
- P. 4049, L. 7, insert " Limited " after " 1913 "
- P. 4052, L. 18, " larger " should read " large "
- P. 4053, L. 9, cancel " the slimes,"
- P. 4057, L. 8, " wihch " should read " which "
- P. 4060, L. 22, cancel " which was— "
- P. 4060, L. 25, " mixture " should read " time "
- P. 4062, L. 4, insert " was " after " it "
- P. 4062, L. 20, " was " should read " is "; insert " the " after " from "
- P. 4066, L. 9, " mixture " should read " mixtures "
- P. 4066, L. 24, " it " should read " at " after " started "
- P. 4071, L. 18, " at " should read " and "
- P. 4071, L. 24, insert " X " before " Q."
- P. 4074, L. 21, " assay " should read " assays "
- P. 4076, L. 27, " where " should read " were "
- P. 4078, L. 3, erase (,) after " Separations "; " was " should read " were "
- P. 4079, L. 23, " .57 " should read " .67 "
- P. 4079, L. 29, " in " should read " and "
- P. 4079, L. 30, insert (,) after " nine "; cancel (,) after " S."
- P. 4080, L. 5, insert " east side " before " all "
- P. 4080, L. 15, cancel " There "
- P. 4080, L. 16, cancel " were ; " " as " should read " As "
- P. 4080, L. 25, cancel " in "
- P. 4085, L. 7, cancel (;) after " whole "
- P. 4085, L. 11, cancel " that "
- P. 4085, L. 26, " not " should read " no "
- P. 4086, L. 18, " analysis " should read " analyses "
- P. 4086, L. 29, insert " to develop " after " attempting "
- P. 4088, L. 9, " flotation " should read " agitation "
- P. 4088, L. 10, " 312 " should read " 317 "
- P. 4088, L. 18, cancel " And there "

- P. 4088, L. 23, "this air" should read "the pulp"
- P. 4091, L. 10, insert "R" before "X"
- P. " L. 12, " " " "
- P. " L. 15, " " " "
- P. " L. 17, " " " "
- P. " L. 21, " " " "
- P. " L. 23, " " " "
- P. " L. 29, " " " "
- P. 4092, L. 2, " " " "
- P. 4093, L. 11, cancel comma (,) after "Separation"
- P. 4093, L. 22, "condition" should read "conditions"
- P. 4094, L. 7, "demonstration" should read "demonstrations"
- P. 4094, L. 17, "San Diego" should read "Santiago"
- P. 4094, L. 18, "San Diego" " " "
- P. 4095, L. 6, "recommenadtions" should read "recommendations"
- P. 4100, L. 30, "test" should read "tests"
- P. 4101, L. 16, "results" should read "result"
- P. 4103, L. 23, "and" should read "acid" after "kerosene"
- P. 4105, L. 28, "Electric" should read "Electrolytic"
- P. 4106, L. 8, "There" should read "They"
- P. 4108, L. 16, insert "Alumina" after " $A.l_2O_3$ "
- P. 4113, L. 9, insert "and two pounds of acid sludge. That figure for creosote" after "osote"
- P. 4118, L. 28, "grinding" should read "regrinding"
- P. 4123, L. 4, "accomplished" should read "accompanied"
- P. 4124, L. 26, insert "R" before "X"
- P. 4125, L. 9, " " " "
- P. " L. 13, " " " "
- P. " L. 16, " " " "
- P. " L. 22, " " " "
- P. " L. 26, " " " "
- P. 4126, L. 4, " " " "
- P. " L. 8, " " " "
- P. " L. 13, " " " "
- P. 4127, L. 18, insert "or were you" after "you"
- P. 4128, L. 16, "as" should read "to"
- P. 4133, L. 4, "Average" should read "Averages"
- P. 4133, L. 25, insert, "three pounds of the mixture of oil to the ton of ore," after "ore"
- P. 4140, L. 16, "loading" should read "hauling"
- P. 4141, L. 11, "put" should read "but"
- P. 4141, L. 18, "38" should read "88"
- P. 4142, L. 28, "so" should read "80"
- P. 4143, L. 30, insert "over" after "machine"
- P. 4144, L. 16, "minerals separation" should read "Minerals Separation"
- P. 4145, L. 23, insert "Did you know that before Mr. Owen told you. A." after "119."
- P. 4147, L. 15, "oue" should read "ore"
- P. 4149, After L. 2, insert "x-Q. 144. And the tails?"

- P. 4150, After L. 19, insert " x-Q. 155. You know why you did not make a better recovery? "
- P. 4153, L. 17, cancel " the-I added "
- P. 4153, L. 18, " reports ", should read " return "
- P. 4162, L. 13, " Pupine " should read " Pupin "
- P. 4162, L. 16, " general " should read " assistant "; cancel " the "
- P. 4162, L. 26, insert " there " after " method "
- P. 4163, L. 10, " ces " should read " cess "
- P. 4164, L. 18, " liquified " should read " liquefied "
- P. 4165, L. 25, " Beumuelen " should read " Bemmelen "
- P. 4166, L. 3, insert comma (,) after " that "
- P. " L. 4, insert comma (,) after " interface "
- P. 4166, L. 10, " to " should read " may "
- P. " L. 21, " Beumuelen " should read " Bemmelen "; erase " a "
- P. 4167, L. 6, " millimeters " should read " inches. "
- P. 4167, L. 10, insert " was " after " That "
- P. 4167, L. 25, cancel " which-by "
- P. 4167, L. 26, cancel " the range of forces "; insert " and " after " exclusively, "
- P. 4167, L. 27, cancel (-) after " coherent "
- P. 4168, L. 9, " a " should read " as " after " functions "
- P. 4169, L. 5, insert " is " after " This "
- P. 4169, L. 8, insert (") before " this "
- P. 4169, L. 10, " " after " gangue "
- P. 4169, L. 19, insert " a " after " to "
- P. 4169, L. 30, " (.) after " bubbles "; " what " should read " What ": insert " is " after " be "; " independ-" should read " depend- "
- P. 4171, L. 10, " mentioned " should read " mention "
- P. 4171, L. 17, " Park " should read " Parks "
- P. 4172, L. 11, cancel " one hundred "
- P. 4172, L. 18, " simply " should read " simple "
- P. 4173, L. 10, cancel " hundred "
- P. 4173, L. 11, " "
- P. 4173, L. 21, " DEFENDANT'S " should read " PLAINTIFF'S "
- P. 4174, L. 8, " as " should read " at "
- P. 4174, L. 10, cancel " that "
- P. 4174, L. 17, " layer " should read " film "
- P. 4174, L. 21, " upon " should read " up on "
- P. 4174, L. 29, " present " should read " presence "
- P. 4176, L. 5, cancel " to "
- P. 4176, L. 12, cancel (;) and " and ": " if " should read " If "
- P. 4176, L. 15, cancel " in " after " and "
- P. 4176, L. 20, cancel (.) after (tom)
- P. 4176, L. 20, cancel period (.) after " purposes "; " You " should read " you "
- P. 4176, L. 21, erase (.) after ") "
- P. 4176, L. 25, " the " should read " these "
- P. 4177, L. 5, " 5.32 " should read " 532 " ;
- P. 4177, L. 7, period (.) should read comma (,) after " thinnest "

- P. 4177, L. 8, " is " should read " are "
- P. 4177, L. 18, insert (.) after " particles "
- P. 4178, L. 29, erase (.) ; insert (?) after " much "
- P. 4179, L. 9, insert (?) after " mineral "
- P. 4181, L. 27, " care " should read " cares "
- P. 4182, L. 12, " surfac " should read " surface "
- P. 4184, L. 25, insert ") " after " limit "
- P. 4184, L. 26, insert " (" before " the hands "
- P. 4187, L. 20, " also " should read " Ah ! "
- P. 4187, L. 23, " the " should read " The "
- P. 4190, L. 3, " could " should read " should "
- P. 4190, L. 22, insert " as " after " remove "
- P. 4190, L. 27, insert " and an evenly oiled particle ; We have now made the bubble " before " in "
- P. 4192, L. 9, " drawn " should read " draws "
- P. 4193, L. 8, insert " 21 " before " Now "
- P. 4193, L. 24, " remarked " should read " washed "
- P. 4195, L. 23, insert " , you notice the water on the upper surface " after " surface "
- P. 4196, L. 31, " mineral as " should read " minus "
- P. 4199, L. 3, " of " should read " or "
- P. 4199, L. 6, " Kith " should read " With "
- P. 4200, L. 4, " in " should read " with "
- P. 4200, L. 6, insert " oil-water " after " the "
- P. 4201, L. 3, " this " should read " the "
- P. 4202, L. —, " 4002 " should read " 4202 "
- P. 4202, L. 15, " material " should read " materials "
- P. 4204, L. 11, " this " should read " these " ; " way " should read " ways "
- P. 4204, L. 28, insert " a " after " about "
- P. 4205, L. 23, (;) should read (.) ; " the " should read " The "
- P. 4207, L. 7, " condition " should read " conditions " ; " least " should read " last " ;
- P. 4207, L. 18, insert " (" before " making "
- P. 4207, L. 20, insert ") " after " holder "
- P. 4207, L. 22, cancel " The Witness : With No. 8 with " ; insert " Eighth, with " before " amounts "
- P. 4207, L. 29, " attached " should read " attaches "
- P. 4208, L. 8, " on " should read " and "
- P. 4208, L. 15, change " be " to " de "
- P. 4209, L. 20, insert (,) after " not "
- P. 4209, L. 25, " clear " should read " clean "
- P. 4209, L. 31, cancel (-) after " of "
- P. 4211, L. 6, " b33 " should read " 133 "
- P. 4211, L. 7, insert " , " after " answer "
- P. 4211, L. 26, insert " or " after " surface " ; " surface " should read " surfaces "

ERRATA.

VOLUME VIII.

- P. 4213, L. 23, insert (“) before “ in ”
- P. 4213, L. 27, “ and ” should read “ a ”; insert “ of ” after “ amounts ”; “ amounts ” should read “ amount ”
- P. 4313, L. 28, insert “ and ” after “ surface ”
- P. 4214, L. 3, insert (,) after “ 3 ”; “ comments ” should read “ comment ”
- P. 4215, L. 2, cancel “ as ” after “ perhaps ”
- P. 4215, L. 3, insert “ early in my examination of this phenomena I was fortunate ” after “ but ”
- P. 4215, L. 4, cancel “ was ”
- P. 4215, L. 9, “ question ” should read “ equation ”
- P. 4215, L. 16, insert “ , ” after “ mercury ”
- P. 4216, L. 5, cancel “ of ”
- P. 4216, L. 6, cancel “ and ” after “ extent ”; “ the ” should read “ The ”; insert period (.) after “ extent ”
- P. 4216, L. 11, “ reducing ” should read “ reduced ”
- P. 4218, L. 9, “ this ” should read “ that ”
- P. 4218, L. 24, “ statement ” should read “ question ”
- P. 4219, L. 9, insert comma (,) after “ it ”
- P. 4219, L. 22, “ particle ” should be “ particles ”
- P. 4241, L. 6, after “ necking ” insert “ off ”
- P. “ L. 24, “ a ” should be “ an ”; same line, “ an ” should be “ or ”; same line, erase comma after “ layer ”
- P. 4242, L. 24, “ an ” should be “ or ”; same line, erase comma after “ layer ”
- P. “ L. 25, double quotation mark after “ thick ” should be a single quotation mark.
- P. 4246, L. 9, insert parenthesis before “ Question ”
- P. 4250, L. 3, insert parenthesis before “ and ”
- P. “ L. 4, “ “ after “ yet ”
- P. 4251, L. 12, “ seem ” should be “ seemed ”
- P. 4253, L. 13, “ of ” should be “ or ”
- P. 4254, L. 16, “ in ” should be “ on ”
- P. 4262, L. 15, after “ mean ” insert “ from ”
- P. “ L. 25, insert parenthesis before “ which ”
- P. “ L. 27, “ “ after “ it ” and erase dash
- Page “ 6265 ” should be “ 4265 ”
- P. 4265, L. 8, “ that ” should be “ then ”
- P. 4266, L. 17, before “ sense ” insert “ common ” .
- P. 4269, L. 5, “ oil ” should be “ air ”
- P. “ L. 11, insert a comma after “ whole ”
- P. “ L. 12, after “ surface ” insert “ either ”
- P. “ L. 13, insert a period after “ whole ”; same line, “ where ” should be “ Where ”
- P. “ L. 14, erase “ ore to ” and insert “ air, with ”

- P. 4221, L. 2, insert " Q. 38 $\frac{1}{2}$ " before " Now "
- P. 4221, L. 5, " 20% " should read " 20% "
- P. 4221, L. 13, insert " a " after " be "
- P. 4222, L. 4, erase (,) insert (,) after " froth "; " If " should read " if "
- P. 4222, L. 5, insert " the mineral particles " after " catch "
- P. 4222, L. 7, cancel " the "
- P. 4222, L. 8, cancel " mineral particles " and " that "
- P. 4222, L. 12, " 228 " should read " Q. 28 "
- P. 4223, L. 4, " through " should read " to "
- P. 4223, L. 20, " this " should read " thin "
- P. 4223, L. 25, " be " should read " me "
- P. 4223, L. 26, " Beumuelen's " should read " Bemmelen's "
- P. 4224, L. 3, " the " should read " The "
- P. 4224, L. 13, insert " floated his magnetic spider on the surface of liquid and " after " and "
- P. 4225, L. 6, insert (") before " the "
- P. 4225, L. 13, insert (,) after " prevent "
- P. 4225, L. 18, insert " the " after " to "
- P. 4225, L. 19, insert " , it can be made more stable by adding something or other which will increase the viscosity of the cell wall " after " walls "
- P. 4227, L. 3, " one " should read " on "
- P. 4227, L. 19, cancel " the "
- P. 4227, L. 22, " partice " should read " particle "
- P. 4229, L. 23, " 192 " should read " 199 "
- P. 4230, L. 6, insert " different, because " after " is "; cancel " this " and " in "; insert (.) after " in "
- P. " L. 7, insert " you have " before " a " insert " oil " after " relatively "; cancel " sur " ;
- P. " L. 8, cancel " face " and " but " should read " and "
- P. " L. 11, cancel comma (,) after " time "
- P. " L. 18, insert " Q. 9 " after " 1048 "
- P. " L. 22, " froth " should read " frothing "
- P. " L. 23, insert " (Q. 12-14) " after " 1052, "
- P. " L. 24, insert " (Q. 11-13) " after " 1051 "
- P. 4231, L. 31, cancel " only "
- P. 4232, L. 15, insert " in film, and it is on this peculiar condition of matter " after " matter "
- P. 4232, L. 18, insert " as " after " processes "
- P. 4232, L. 21, insert " (Q. 117) " after " 4 "
- P. 4233, L. 5, insert (x-Qs. 109, 110) " after " 997 "
- P. 4233, L. 6, insert " (x-Q. 110) " after " 997 "
- P. 4233, L. 11, insert " (Q. 20) " after " 18 " ; insert " Qs. 20-23 " after " 962 "
- P. 4233, L. 17, " This " should read " These " ; " again has " should read " give a "
- P. 4233, L. 22, " produces " should read " produce "
- P. 4233, L. 29, insert " Re-x-Q. 256 " after " 10 "
- P. 4234, L. 10, " is " should read " a "

- P. 4234, L. 11, insert " Q. 119 " after " 1110 "
- P. 4234, L. 12, cancel (") before and after " thick "
- P. 4234, L. 13, " limits " should read " limit "
- P. 4234, L. 14, erase " a film that is thick under those conditions "
- P. " L. 14, erase " so "
- P. " L. 19, erase " so "
- P. " L. 22, after the comma insert, " and the oil or "; same line
erase " to " and insert " in "
- P. " L. 23, erase " the " and insert quotation marks after " air "
- P. " L. 24, after " will " insert " not "
- P. " L. 25, insert quotation marks before " and "
- P. " L. 26, insert quotation marks after " bubble "
- P. " L. 27, erase " so " and insert quotation marks before " oil "
- P. " L. 28, " thiek " should be " thin "
- P. " L. 29, " globules " should be " globule "
- P. " L. 30, after " drifting " insert " around "; same line,
" will " should be " may "
- P. 4235, L. 6, after " conclusion " insert " * * * "
- P. " L. 8, erase " air " and insert " oil "; same line, erase
" oil " and insert " air "
- P. " L. 9, erase " uses " and insert " has "; same line, erase
" when "
- P. " L. 11, " when " should be " is "
- P. " L. 12, erase the dash.
- P. " L. 21, after " better " insert " the "
- P. 4236, L. 8, before " and " insert " and nature "; same line, " air
rations " should be " aeration "
- P. " L. 10, " and " should be " to "
- P. " L. 11, insert exclamation point after " necessary "; same
line, " what " should be " That "
- P. " L. 14, after " 1108 " insert " (Q. 118) "; same line, erase
" at the bottom "
- P. " L. 22, after " up " insert " the "
- P. " L. 28, after " says " insert " (Q. 55) "
- P. " L. 29, " amount " should be " degree "
- P. " L. 30, after " is " insert " to be "
- P. 4237, L. 3, after " the " insert " effect of the "
- P. " L. 5, after " oil " insert " * * * "
- P. " L. 27, after " is " insert " Bancroft "
- P. " L. 30, after " that " insert " the "; same line " did "
should be " do "
- P. 4237, L. 31, insert quotation marks after " power "
- P. " L. 32, erase quotation marks.
- P. 4238, L. 19, erase " air "
- P. " L. 21, " There " should be " Where "
- P. 4239, L. 10, " that " should be " the "
- P. " L. 31, " deals " should be " deal "
- P. 4240, L. 22, " hundredth " should be " hundred "
- P. " L. 23, " thousandths " should be " thousand "

- P. 4269, L. 15, insert a comma after "substantial"; "extent which" should be "action to"; "separates" should be "separate"
- P. " 16, "connection" should be "action"
- P. 4269, L. 17, "For" should be "for"; "purpose" should be "purposes"; same line, erase comma after "mind"
- P. " L. 18, after "2137" insert "(Q. 9)"
- P. 4270, L. 4, "maget" should be "magnet"
- P. 4274, L. 5, "oil" should be "air"
- P. 4278, L. 6, "you" should be "your"
- P. 4279, L. 18, "1911" should be "1915"
- P. 4282, L. 4, "irelevant" should be "irrelevant"
- P. " L. 18, "after "Standard" insert "Minerals"
- P. 4286, L. 9, after "a" insert, "0.10 copper tailing from the sand tailing and"
- P. 4295, L. 21, "chines" should be "chiue"
- P. " L. 24, "chines" should be "chine"
- P. 4297, L. 2, after "first" insert "seven"
- P. " L. 20, "clean" should be "lean"
- P. 4298, L. 7, insert "you" after "can"
- P. 4300, L. 19, "tenths" should be "tenth"
- P. 4303, L. 14, erase "The same thing."
- P. " L. 22, "mill" should be "total"
- P. " L. 25, "3" should be "5"
- P. " L. 27, "CaO.2" should be "CaO, O.2"
- P. 4306, L. 28, "has" should be "had"
- P. 4307, L. 11, "per centage" should be "percentage"
- P. " L. 23, "terms" should be "term"
- P. 4308, L. 23, "835" should be "833"
- P. 4309, L. 20, after "next" insert "20"
- P. 4315, L. 27, "United" should be "Union"
- P. " L. 29, erase "The latter."; same line, "when" should be "When"; after "this" insert "latter"
- P. " L. 30, after "sludge" insert "from the Standard Oil Company, we got a sludge"
- P. 4318, L. 8, after "human" insert "element"; same line, "treating" should be "feeding"
- P. " L. 9, after "ore" insert "to the mill."
- P. " L. 24, erase "submitted" and insert "substituted"; same line, erase comma after "process"
- P. 4319, L. 26, after "treating" insert "slime."
- P. 4320, L. 23, "stantial" should be "stantially"
- P. 4330, L. 25, "concentrate" should be "concentration"
- P. 4330, L. 29, "clear" should be "clay"
- P. 4334, L. 2, erase the comma after "sheet"; same line, "commence" should be "commences"
- P. 4334, L. 27, "261%" should be "26.1%"
- P. 4335, L. 17, after "arrival" insert "at the plant before lunch. After that it only overflowed"
- P. 4336, L. 2, erase "only"

- P. 4341, L. 16, " is " should be " it "
- P. 4353, L. 24, " which " should be " with "
- P. 4354, L. 9, after " one " insert " and "
- P. 4355, L. 13, after " oil " insert " all "
- P. 4360, Lines 12, 16, 18, 21, 25, 29, insert " R " before " x-Q "
- P. 4361, Lines 3, 6, 14, 19, 25, insert " R " before " x-Q "
- P. 4361, L. 19, after " this " insert " same "
- P. 4362, Lines 2, 10, 12, insert " R " before " x-Q "
- P. 4363, L. 9, " continually " should be " continuously "
- P. 4363, L. 18, after " are " insert " now "
- P. 4366, L. 26, " table " should be " tables "
- P. 4370, L. 25, after " copper " insert " iron- "
- P. 4374, L. 4, " Kremer " should be " Kenyon "
- P. 4375, L. 18, " or " should be " ore "
- P. 4375, L. 30, " was " should be " were "
- P. 4375, L. 31, " This " should be " That "
- P. 4380, L. 2, " upper " should be " copper "
- P. 4380, L. 8, " is " should be " are "
- P. 4382, L. 23, insert a semicolon after " insoluble "
- P. 4383, L. 4, " rejection " should be " reject "
- P. 4383, L. 26, " \$1,800.00 " should be " \$1,800,000 "
- P. 4385, L. , insert after x-Q 111, " A. I don't suppose it is quite."
- P. 4391, L. 4, erase " as " and insert " are known "
- P. 4391, L. 5, erase " shown "
- P. 4391, L. 11, " concentration " should be " connection "
- P. 4391, L. 17, " seems " should be " means "
- P. 4391, L. 21, erase " a "
- P. 4391, L. 28, insert a comma after " possible " and after " for "
- P. 4394, L. 26, after " which " insert " have particles of gangue attached to them or which "
- P. 4396, L. 20, " no " should be " not "
- P. 4398, L. 4, " $\frac{1}{8}$ " should be " $1\frac{1}{2}$ "
- P. 4399, L. 25, insert quotation marks after " grains "
- P. 4400, L. 23, " way " should be " very "
- P. 4404, L. 17, " suldge " should be " sludge "
- P. 4405, L. 7, " bttom " should be " bottom "
- P. 4413, L. 7, " realtively " should be " relatively "
- P. 4414, L. 28, " x-Q. 6 " should be " x-Q. 86 "
- P. 4418, L. 6, " gaitator " should be " agitator "
- P. 4420, L. 3, " taind " should be " tain "
- P. 4422, L. 8, " in " should be " if "
- P. 4423, L. 11, after " break " insert " it "
- P. 4428, L. 6, " How " should be " Now "
- P. 4429, L. 15, " streams " should be " streaks "
- P. 4431, L. 17, " considerably " should be " considerable "
- P. 4432, L. 14, " connected " should be " commenced "
- P. " L. 28, after " oil " insert " that was being used, and at first I discovered dark "
- P. 4433, L. 27, " slimes " should be " slime " and " have " should be " has "

- P. 4436, L. 18, " the " should be " this "
- P. 4439, L. 19, " McIlhaney " should be " McIlhiney "
- P. 4440, L. 20, after " the " insert " two "
- P. " L. 22, insert a dash after " sharps "
- P. " L. 30, " figures " should be " figure "
- P. 4442, L. 21, " lime " should be " slime "
- P. 4443, L. 2, " McIlhaney " should be " McIlhiney "
- P. " L. 17, " was " should be " were "
- P. 4444, L. 8, " determintions " should be " determinations "
- P. " P. 24, " McIlhaney " should be " McIlhiney "
- P. 4445, L. 10, " of " should be " for "
- P. " L. 18, " mineral separation " should be " Mineral Separation "
- P. 4448, L. 29, insert quotation marks after " Plant "
- P. 4451, L. 3, " McIlhaney " should be " McIlhiney "
- P. 4451, L. 11, " " " " "
- P. 4454, L. 21, " " " " "
- P. 4454, L. 24, " " " " "
- P. 4456, L. 9, " trate " should be " trates "
- P. 4456, L. 11, " passes " should be " pass "
- P. 4456, L. 13, " tailing " should be " tailings "
- P. 4460, L. 14, " operations " should be " operation "
- P. 4461, L. 11, erase " put "
- P. 4464, L. 2, " slay " should be " clay "
- P. 4464, L. 6, after " quartz " insert " or "
- P. 4469, L. 20, insert a period after " experiments "; same line, " she " should be " She "
- P. 4469, L. 23, after " operations " insert " what she thinks ought to be used in large scale operations. "
- P. 4470, L. 30, erase " you "
- P. 4471, L. 2, erase from " do " to and including " quartz "
- P. 4471, L. 28, erase " X "
- P. 4475, L. 6, after " take " insert " an "
- P. 4475, L. 11, " thiner " should be " thinner "
- P. 4477, L. 6, " tahn " should be " than "
- P. 4477, L. 19, " reference " should be " references "
- P. 4478, L. 17, erase quotation marks before " metalliferous " and after " mineral "
- P. 4478, L. 30, after " shining " insert " -like, "
- P. 4479, L. 9, " can " should be " was "; same line erase " be "
- P. 4479, L. 30, erase line 30
- P. 4479, L. 31, insert " Q. 91. What have you to say as to the significance or "
- P. 4480, L. 2, erase " on "
- P. 4481, L. 25, " attemptping " should be " attempting "
- P. 4482, L. 21, " operation " should be " operations "
- P. 4484, L. 6, after " machine " insert a hyphen
- P. 4484, L. 19, " clases " should be " classes "
- P. 4487, L. 5, erase " reservoir " and insert " receiver "
- P. " L. 10, erase " not "
- P. 4488, L. 17, " posible " should be " possible "

- P. 4491, L. 3, after " Drawing " insert " produced "
- P. 4492, L. 10, " consist " should be " consists "
- P. 4494, L. 30, after " great " insert " difficulty because in several places we found mechanical "
- P. 4496, L. 17, after " Kirby " insert " process in the Kirby apparatus with the Kirby ore and the Kirby "
- P. 4497, L. 20, " elss," should be " less."
- P. 4499, L. 13, after " It " insert " is "
- P. 4502, L. 10, " these " should be " this "; same line, " specifications " should be " specification "
- P. 4503, L. 31, " 5 " should be " 4 "
- P. 4507, L. 21, insert a comma after " carried " and erase the dash
- P. 4509, L. 13, " discernable " should be " discernible "
- P. 4514, L. 13, Insert " A. Yes."
- P. 4515, L. 30, " table " should be " tank "
- P. 4516, L. 11, " agitation " should be " agitator "; same line, after " is " insert " revolved "
- P. " L. 21, after " course " insert " the "; same line, erase " in "
- P. " L. 23, " or " should be " of "
- P. " L. 30, " part " should be " parts "
- P. 4518, L. 10, erase " had then "
- P. " L. 17, " oilve " should be " olive "
- P. 4520, L. 9, erase " them "
- P. 4522, L. 17, after " experiment " insert " they "
- P. 4523, L. 30, after " treatments " insert " they have less oil, and when they have one treatment "
- P. 4524, L. 7, erase " he "
- P. " L. 10, " percolation " should be " percolating "; same line, after " of " insert " a "
- P. 4527, L. 14, erase the comma after " that " and insert a comma after " is "
- P. 4530, L. 17, insert a comma after " casts "
- P. 4533, L. 4, " fiix " should be " fix "
- P. 4538, L. 20, " fg " should be " mg "
- P. 4539, L. 28, " of " should be " if "
- P. 4540, L. 10, before " frothing " insert " mineral "
- P. 4543, L. 26, insert quotation marks after " insufficient "
- P. 4544, L. 18, " circumstance " should be " circumference "
- P. " L. 28, " visable " should be " visibly "
- P. 4545, L. 15, after " being " insert " an "
- P. " L. 21, " bubbles " should be " bubble "
- P. 4547, L. 2, enclose the name " Engler " in parentheses
- P. " L. 3, " 40 " should be " 46 "
- P. 4549, L. 12, after " bubble " insert " to produce "
- P. 4551, L. 2, " suitable " should be " suitably "
- P. 4555, L. 22, Place a period after " absence "; same line, " the " should be " The "
- P. 4558, L. 16, after " photographing " insert a parenthesis
- P. 4560, L. 18, " state " should be " stated "

- P. 4560 L. 29, "examinations" should be "examination"
- P. 4562, L. 3, insert a dash before and after "air"
- P. " L. 4, "soil" should be "oil"
- P. 4563, L. 2, "nonomoleculer" should be "monomolecular"
- P. " L. 13, "above" should be "about"
- P. " L. 26, "attractions" should be "attraction"
- P. 4564, L. 21, insert a comma after "inner"
- P. " L. 22, insert a parenthesis before "as"
- P. " L. 23, after "between" insert "the"; same line, erase
"the"; same line, insert a parenthesis after
"film"
- P. " L. 31, "absorption" should be "adsorption"
- P. 4565, L. 4, erase "of"
- P. " L. 6, "the" should be "thin"
- P. 4566, L. 4, before "from" insert "and"
- P. " L. 5, "19" should be "10"
- P. " L. 29, "upon" should be "before"
- P. 4567, L. 2, insert a period after "conclusive"; same line, "to"
should be "To"
- P. " L. 3, insert a comma after "question"; same line, "We"
should be "we"
- P. 4570, L. 10, after "the" insert "same cell and liquid. The
particles were put back in the"
- P. 4572, L. 4, "Produce" should be "Produces"
- P. " L. 13, after "air" insert "bubble"
- P. " L. 16, "adherance" should be "adherence"
- P. 4574, L. 3, erase "probably" and the dash
- P. " L. 9, after "tend" insert "to rise and the small bubbles
tend"
- P. 4575, L. 2, "1/25,000" should be "1/35,000"
- P. " L. 9, insert a comma after "have"
- P. " L. 28, "on" should be "one"
- P. 4579, L. 2, after "pine" insert "oil"
- P. " L. 10, "taken" should be "taking"
- P. " L. 13, ".049%" should be "0.4%"
- P. 4580, L. 21, after "bubbles" insert a comma
- P. 4581, L. 24, "as" should be "is"
- P. 4582, L. 7, erase "PURE"
- P. " L. 15, "should" should be "shall"
- P. 4583, L. 17, "and" should be "such"
- P. " L. 19, "their" should be "these"; same line, "picture"
should be "pictures"
- P. " L. 24, erase "enormous"
- P. 4584, L. 11, erase the comma after "series" and insert paren-
thesis before "except" and after "oil"; same
line, change "fine" to "pine"
- P. 4588, L. 27, "bottom" should be "back"
- P. " L. 28, insert parenthesis before "the"
- P. " L. 29, " " after "masses"
- P. 4590, L. 9, erase the comma after "bubbles" and insert a par-
enthesi s before "for" and after "center"

- P. 4590 L. 14, " surface " should be " surfaces "
- P. " L. 28, after " froths " insert " of the patent in suit "
- P. 4592, L. 26, " entanglements " should be " entanglement "
- P. 4593, L. 10, " came " should be " streams "
- P. 4595, L. 12, " forthing " should be " frothing "
- P. 4599, L. 11, after " phenol " insert " as "
- P. 4601, L. 29, " rasing " should read " raising "
- P. 4609, L. 7, insert " it " after " that "
- P. 4609, L. 7, " experiment " should read " experiments "
- P. 4610, L. 11, " time " should read " times "
- P. 4610, L. 24, " Dozenbeeh " should read " Dosenbach "
- P. 4612, L. 2, " you on what " should read " Jones so that "
- P. 4613, L. 23, insert " Mr. Williams " after " 458 "
- P. 4617, L. 30, insert " that of " after " day "
- P. 4619, L. 20, insert " c " after " 16c "
- P. 4619, L. 23, insert period (.) before " 15 "
- P. 4623, L. 26, insert " : for the third I was superintendent " after " superintendent "
- P. 4626, L. 27, " divinding " should read " dividing "
- P. 4627, L. 10, " concentarte " should read " concentrate "
- P. 4627, L. 21, " heading " should read " headings "
- P. 4628, L. 19, cancel " column "
- P. 4628, L. 22, insert " — " after " recovery "
- P. 4629, L. 2, insert " — " after " feed "
- P. 4631, L. 14, erase " their "; insert " the Chino "
- P. 4633, L. 8, " they " should read " their "; " used " should read " use "; insert " of " after " used "
- P. 4635, L. 8, " 1916 " should read " 1917 "
- P. 4635, L. 11, " One " should read " And "
- P. 4635, L. 14, " figure " should read " figuring "
- P. 4635, L. 25, insert " were " after " conditions "
- P. 4636, L. 2, insert ") " after " mann, "
- P. 4637, L. 10, " rate " should read " ratio "
- P. 4637, L. 13, insert " weight " after " the "; cancel " contents "
- P. 4638, L. 9, insert " in " after " contents "
- P. 4638, L. 10, " ing " should read " ings "
- P. 4638, L. 16, " net " should read " next "
- P. 4640, L. 4, " east " should read " cost "
- P. 4640, L. 9, " to " should read " of "
- P. 4641, L. 9, " successfully " should read " successful "
- P. 4642, L. 7, " statement " should read " statements "
- P. 4643, L. 6, insert " as " after " used, "
- P. 4645, L. 27, " 53 " should read " 53. "
- P. 4646, L. 11, cancel " tons "
- P. 4646, L. 12, cancel " of "
- P. 4646, L. 30, " tailing " should read " tailings "
- P. 4647, L. 11, " statement " should read " statements "; " gives " should read " give "
- P. 4647, L. 20, " 163 " should read " 166 "
- P. 4649, L. 4, " exhibits " should read " exhibit "
- P. 4650, L. 12, " figure " should read " figured "

- P. 4651, L. 31, " 12,988 " should read " 12.988 "
- P. 4653, L. 13, " heading " should read " headings "; " of " should read " % "
- P. 4653, L. 17, " 294 " should read " 204 "
- P. 4653, L. 24, " 295 " should read " 205 "
- P. 4661, L. 27, " 6,8804 " should read " 6,804 "
- P. 4663, L. 9, insert " tonnage " after " concentrate "
- P. 4670, L. 29, " amount " should read " extent "
- P. 4674, L. 7, cancel " out "
- P. 4674, L. 10, " .0531 " should read " .531 "
- P. 4677, L. 27, " facts " should read " foot "
- P. 4678, L. 16, insert " also " after " are "
- P. 4678, L. 28, " facts " should read " foots "
- P. 4683, L. 8, " 130 " should read " 130° "
- P. 4685, L. 7, " .145 " should read " .155 "
- P. 4685, L. 11, " samples " should read " sample "
- P. 4687, L. 10, " accurate " should read " accurately "
- P. 4688; L. 10, " tailing " should read " tailings "
- P. 4690, L. 25, " infringement " should read " infringed "
- P. 4691, L. 17, " 4 " should read " 5 "
- P. 4696, L. 3, " KRAMER " should read " KREMER "
- P. 4698, L. 22, cancel " to " after " limit "
- P. 4700, L. 27, " 40 " should read " 49 "
- P. 4701, L. 27, " 54 " should read " 55 "
- P. 4704, L. 15, " molting " should read " melting "
- P. 4706, L. 15, insert " portrayed by these moving pictures were experiments " after " ments "
- P. 4708, L. 29, " reflection " should read " reflected "
- P. 4709, L. 15, " has " should read " have "
- P. 4709, L. 27, " illumianting " should read " illuminating "
- P. 4711, L. 6, " entrapped " should read " entrapping "
- P. 4714, L. 2, " 16½ " should read " 16A "
- P. 4714, L. 21, " subject " should read " subjected "
- P. 4714, L. 25, insert " with the froth " after " that "; cancel " the oil "
- P. 4715, L. 4, " effects " should read " effect "
- P. 4717, L. 7, cancel " X "; insert " By Mr. Williams " after " 24 "
- P. 4717, L. 9, insert comma (,) after " Company "; after " is ", and after " Falls "
- P. 4717, L. 15, " each " should read " such "
- P. 4719, L. 3, cancel comma (,) after " Separation "
- P. 4719, L. 10, " " " " " " " "
- P. 4719, L. 13, " ment " should read " mental "
- P. 4720, L. 22, " question " should read " questions "
- P. 4721, L. 12, " pseaking " should read " speaking "
- P. 4721, L. 20, " Wicks " should read " Wicks' "
- P. 4721, L. 29, " flotations " should read " flotation "
- P. 4726, after L. 3, insert " Re-d. Q. 15. Mr. Wilding, you used the same method "
- P. 4727, L. 27, " palintiffs " should read " plaintiffs "

- P. 4729, L. 6, " Greininger " should read " Greninger "
- P. 4729, L. 11, " Greininger " should read " Greninger "
- P. 4730, L. 4, cancel comma (,) after " photographs "
- P. 4731, L. 9, cancel " all the-about the same "
- P. 4733, L. 22, " value " should read " values "
- P. 4737, L. 13, " processes " should read " process "
- P. 4943, L. 28, " readdily should read " readily "
- P. 4744, L. 27, " minute " should read " minutes "
- P. 4746, L. 8, insert " very " after " been "
- P. 4748, L. 28, cancel " holes "
- P. 4752, L. 16, " ore " should read " air "
- P. 4752, L. 23, " manga " should read " magma "
- P. 4754, L. 3, " buiyancy " should read " buoyancy "
- P. 4754, L. 15, " acceptable " should read " acceptible "
- P. 4756, L. 17, " get " should read " give "
- P. 4760, L. 4, " meal " should read " metal "
- P. 4760, L. 12, " simple " should read " simply "
- P. 4761, L. 29, " pionted " should read " pointed "
- P. 4763, L. 3, " aggro " should read " aggre- "
- P. 4763, L. 22, " quality " should read " quantity "
- P. 4765, L. 10, " 189 " should read " 169 "
- P. 4766, L. 12, insert " as " after " agitators "
- P. 4768, L. 11, " resutls " should read " results "
- P. 4770, L. 3, " cleaned " should read " cleared "
- P. 4770, L. 27, " Mechanical " should read " mechanical "
- P. 4771, L. 17, " mean " should read " may "
- P. 4771, L. 31, " was " should read " with "
- P. 4773, L. 4, insert " by " after " test "
- P. 4774, L. 2, " recognizes " should read " recommends "
- P. 4775, L. 12, " battea " should read " batea "
- P. 4777, L. 6, insert " and " after " Sulman "
- P. 4779, L. 16, cancel " x-Q. 236 "
- P. 4780, L. 5, cancel " to "
- P. 4780, L. 11, " phosphites " should read " phosphide "
- P. 4781, Ll. 14 and 15, should come *after* L. 16 (R-x-Q. 244)
- P. 4781, L. 20, " minearl " should read " mineral "
- P. 4783, L. 13, " 25 " should read " 24 "
- P. 4788, L. 2, " drug " should read " drum "
- P. 4788, L. 6, insert " sample " after " same "
- P. 4788, L. 16, " weight " should read " weigh "
- P. 4789, L. 10, " jars " should read " jar "
- P. 4789, L. 16, " analysis " should read " analyses "
- P. 4791, L. 27, " choose " should read " chose "
- P. 4794, L. 12, " it " should read " is " after " it "
- P. 4798, L. 8, insert " a " after " not "
- P. 4800, L. 27, " and " should read " an "
- P. 4804, L. 11, insert " your " after " from "
- P. 4807, L. 9, " therein " should read " there in "
- P. 4816, L. 2, cancel " when "
- P. 4816, L. 10, " inthe " should read " in the "
- P. 4822, L. 25, " asmples " should read " samples "

- P. 4825, L. 21, " Navada " should read " Nevada "
- P. 4826, L. 15, " apera- " should read " aper- "
- P. 4830, L. 6, " use " should read " used "
- P. 4832, L. 20, " No " should read " Now "
- P. 4833, Ll. 12 & 13, cancel both lines.
- P. 4834, L. 1, " Dugeon " should read " Dudgeon "
- P. 4834, L. 2, " Dugeon " should read " Dudgeon "
- P. 4835, L. 1, " Dugeon " should read " Dudgeon "
- P. 4836, L. 1, " Dugeon " should read " Dudgeon "
- P. 4836, L. 2, insert " (" before " Question "
- P. 4843, L. 21, " ne " should read " not "
- P. 4845, L. 11, cancel line.
- P. 4850, L. 22, cancel (-) after " make "
- P. 4854, L. 7, insert " now " after " witness "
- P. 4859, L. 16, cancel " l') " ; insert (") " before " And "
- P. 4859, L. 19, insert (") and (") " after " bottle ? "
- P. 4860, L. 2, " Bellsley " should read " Wellsley "
- P. 4869, L. 20, " date " should read " data "
- P. 4877, L. 21, insert (") before " Cost "
- P. 4882, L. 15, " heading " should read " headings "
- P. 4883, L. 4, insert " in " after " higher "
- P. 4887, L. 15, " judicatea " should read " judicata "

ERRATA.

VOLUME IX.

- P. 4894, L. 5, " this " should read " said "
- P. 4895, L. 16, insert (6.) before " From "
- P. 4899, L. 29, " thereto " should read " hereto "
- P. 4901, L. 18, " that the " after " agreed "
- P. 4902, L. 14, " the " should read " this "
- P. 4918, L. 4, erase " not "
- P. 4922, L. 11, " whipping " should read " whipping "
- P. 4922, L. 28, insert " parts of the " after " of the "
- P. 4925, L. 18, " or " should read " of "
- P. 4931, L. 6, " their " should read " this "
- P. 4943, L. 4, insert " suggestion or a single " after " single "
- P. 4943, L. 17, " designated " should read " designed "
- P. 4945, L. 5, insert " up to that time it had to produce a rough concentrate " after " but "
- P. 4946, L. 25, " Wickes " should read " Wicks "
- P. 4956, L. 18, " license " should read " licenses "
- P. 4958, L. 3, " " " " "
- P. 4961, L. 2, " " " " "
- P. 4962, L. 8, " " " " "
- P. 4965, L. 30, " advantage " should read " advance "
- P. 4966, L. 9, " larger " should read " large "
- P. 4966, L. 12, " agitation " should read " flotation "
- P. 4966, L. 24, " struction " should read " structions "
- P. 4966, L. 27, " improvements " should read " improvement "
- P. 4970, L. 29, insert " the " after " ing "
- P. 4971, L. 4, " Hills " should read " Hill "
- P. 4971, L. 8, " Corbe " should read " Cobre "
- P. 4971, L. 10, " INFRINGEMENT " should read " INFRINGEMENTS "
- P. 4972, L. 17, insert " to the mining Community " after " announced "
- P. 4972, L. 19, " to " should read " of "
- P. 4972, L. 22, " convinving " should read " convincing "
- P. 4977, L. 15, " process " should read " processes "
- P. 4978, L. 19, cancel (") after " liquid "
- P. 4978, L. 20, insert (") before " And "; (") should be (') before " in "; after " water " single quotation
- P. 4979, L. 30, " affecte d " should read " effected "
- P. 4980, L. 10, " the " should read " that "
- P. " L. 12, cancel " what "
- P. " L. 13, " one " should read " a "
- P. " L. 15, " To " should read " The "
- P. " L. 21, " curshed " should read " crushed "; insert " * * * " and cancel (,) after " oil "
- P. " L. 22, insert (') before " the " and after " pulp "
- P. 4981, L. 3, " wilthin " should read " within "

- 4981, L. 12, " was " should read " were "
- 4988, insert on drawing marked " Defendant's Exhibit No. 27," the following: " Tube I regulates liquid level and should extend up to liquid level."
- 5019, Drawing marked " Defendant's Exhibit No. 37," " Ore Feed " should read " Circ. Feed "
- 5038, L. 12, " collecting " should read " collected "
- 5038, L. 6, " gerater " should read " greater "
- 5040, L. 12, insert " so violently " afer " agitated "
- 5042, L. 16, " usd " should read " used "
- 5044, L. 16, " 2400 " should read " 2000 "
- 5048, L. 25, insert " with oil " after " solution "
- 5052, L. 11, " is " should read " in "
- 5141, Defendant's Exhibit No. 125; Column 6, " asasy " should read " assay "
- 5155, Diagram No. 15 ; " Def." should read " Plffs."
- 5156, " " 16 ; " " " " " "
- 5167, Defendant's Exh. No. 151, Col. 4; change " 521 " to " 52 "
- 5187, Defendant's Exhibit No. 159 ; Column 13 ; insert " ore and " after " Oil in "
- 5194, Defendant's Exhibit No. 162, Column 4 ; " Fee " should read " Feed "
- 5194, Defendant's Exhibit No. 162, Column 14; insert " circulating " after " Ore & "
- 5199, L. 4, " pyarmid " should read " pyramid "
- 5208, L. 20, " 35119 " should read " 3519 "
- 5220, L. 21, " Palable " should read " Payable "
- 5235, Defendant's Exhibit No. 192, Column 4 ; " 4.88 " should read " 4.68 "
- 5244, L. 10, insert " A " after " Chart "
- 5261, L. 14, " bu." should read " cu."
- 5261, L. 26, " Calcura " should read " Calura "
- 5264, Mark " 331 "
- 5265, Mark " 332 "
- 5266, Mark " 335 "
- 5267, Mark " 356 "
- 5268, Mark " 357 "
- 5270, should read " P. 5271 "
- 5271, should read " P. 5270 "
- 5278, Defendant's Exhibit No. 219, " Tonnage & " should read " Tonnage & Oil "
- 5293, L. 47, " .8958 " should read " 89.58 "
- 5298, L. 25, " samples " should read " sample "
- 5300, L. 4, " Sohlet " should read " Soxhlet "
- 5300, erase lines 16 & 17 and substitute :
- " Weight oil 0.0250 gms
Weight thimble plus ore (after extraction).. 12.272 gms

- P. 5300, L. 24, "Stingfield" should read "Stringfield"
- P. 5309, Defendant's Exhibit No. 230, Column 21; "973" should read "978"
- P. 5329, Substitute reprint of table
- P. 5350, Plaintiffs' Exhibit No. 246; Mark Part in drawing "8" distinctly.
- P. 5365, Plaintiffs' Exhibit No. 252. Column 11: "0.124" should read "1.124"
- P. 5368, "Scale 6" should read "Scale 6"
- P. 5368 "porportion" should read "proportion"
- P. 5376, L. 7, insert "oil" after "its"
- P. 5376, L. 17, insert "plant" after "flotation"
- P. 5379, L. 18, "1916" should be "1913"
- P. 5380, After line 16 insert: "4. Of the analysis and assay returns of concentrates recovered in its oil flotation plant.....53.940% Zn.
2.956% Pb.
.627% Cu.
2.069% Fe.
.273% Mn.
9.293% Insol.
23.016 Oz. Ag.
.0338 Oz. Au."
- P. 5385, L. 16, Insert "90.4000% Insol."
- P. 5388, L. 7, After "its" insert "oil"
- P. 5388, L. 18, After "flotation" insert "plant"
- P. 5396, L. 12, After "its" insert "oil"
- P. 5396, L. 23, After "flotation" insert "plant"
- P. 5400, L. 10, After "its" insert "oil"
- P. 5401, L. 5, "approximately" should be "approximate"
- P. 5404, L. 11, After "its" insert "oil"
- P. 5404, L. 21, After "flotation" insert "plant"
- P. 5408, L. 10, After "its" insert "oil"
- P. 5408, L. 20, After "flotation" insert "plant"
- P. 5413, L. 17, ".400%" should be ".0400%"
- P. 5420, L. 21, "oils" should be "oil"
- P. 5433, L. 3, After "its" insert "oil"
- P. 5433, L. 3, After "its" insert "oil"
- P. 5436, Column 5, "6564.25" should be "6564.85"
- P. 5441, L. 33, "1913" should be "1912"
- P. 5442, L. 27, "382" should be "362"
- P. 5459, L. 3, After "Whereas" insert "by Clause 2 of the Articles of Association of the Syndicate"
- P. 5460, L. 21, "gasioous" should be "gaseous"
- P. 5461, L. 21, After "Company" insert "All disbursements already made by the Company"
- P. 5462, L. 7, After "dicate" insert "or as it shall direct the premises mentioned in the Schedule hereto and giving to the Syndicate"

- 5465, L. 3, "Syndicate" should be "Syndicate's"
- 5466, L. 3, "Bavey" should be "Bavay"
- " L. 16, erase "8"
- " L. 19, "972678" should be "962678"
- 5468, L. 11, "Layers" should be "Lavers"
- 5473, L. 27, "bill" should be "bills"; same page, line 29,
erase from "and" to and including "demands"
line 30
- P. 5474, L. 27, after "assigns" insert "but at the cost and ex-
pense of said Minerals Separation North
American Corporation, its successors or as-
signs,"
- P. 5475, L. 6, "cobferming" should be "confirming"
- P. 5477, L. 23, "712783" should be "912783"
- P. 5478, L. 4, "1070784" should be "1071784"
- " L. 23, "11558836" should be "1155836"
- P. 5479, L. 7, "76634" should be "766346"
- " L. 29, "Sheelshear" should be "Shellshear"
- P. 5483, L. 3, "To" should be "of"
- P. 5490, L. 13, "unites" should be "units"
- P. 5492, L. 20, erase "he"
- P. 5493, L. 26, "prelude" should be "preclude"
- P. 5495, L. 3, "produce" should be "produced"
- " L. 15, "Balot" should be "Ballot"
- P. 5496, L. 9, "stray" should be "Stray"
- P. 5497, L. 2, After "use" insert "of"; erase line 21; line 26,
"rolayties" should be "royalties"
- P. 5500, L. 12, " $\frac{1}{2}\%$ " should be " $\frac{2}{3}\%$ "; line 14 erase from "or"
to and including "smelters", line 15
- P. 5501, L. 3, after "any" insert "of the inventions specified in
the said letters patent, by the use of any"
- P. 5501, L. 4, erase "of the"
- " L. 7, "or" should be "of"
- " L. 22, insert "For Minerals Separation, Ltd.,
John Ballot,
Francis L. Gibbs, Directors.
A. O. Williams, Secretary."
- P. 5502, L. 17, "Calusa" should be "Colusa"
- P. 5506, L. 3, "as" should be "a"
- P. 5507, L. 9, after "copper" insert "in the concentrates, a unit
of copper"
- P. 5508, L. 14, "Smeltering" should be "Smelting"
- P. 5512, insert at end of page, "A. O. Williams, Secretary."
- P. 5517, L. 15, "tiune" should be "tinue"
- P. 5521, L. 17, "incoroprated" should be "incorporated"
- " L. 29, after "after" insert "the expiration of each quarter,
viz., within thirty (30) days after"
- P. 5523, L. 8, "Letter" should be "Letters"
- P. 5524, L. 13, after "said" insert "other"

- P. 5526, L. 19, "proceeding" should be "proceedings"
- P. 5527, L. 13, "payments" should be "payment"
- P. 5528, L. 9, "if" should be "it"
- P. 5531, L. 28, "579" should be "479"
- P. " L. 53, erase "Agitating Apparatus" and insert "Apparatus for Ore Concentration"
- P. " L. 46, "sulphide" should be "sulphides"
- P. 5532, L. 17, "ore" should be "the"
- P. " L. 29, "Lavers, Lowry" should be "F. J. Lyster"; same line, insert "Ore Concentration"
- P. " L. 31, insert "1,208,171," Dec. 12, 1916, Lavers. Lowry & Greenway"